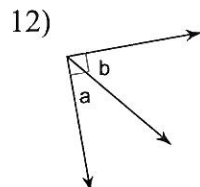
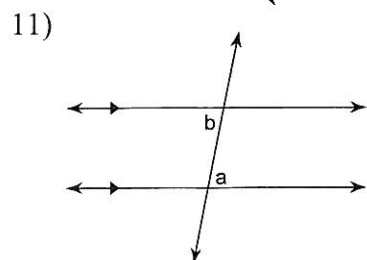
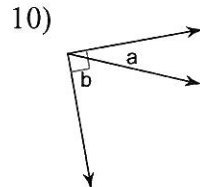
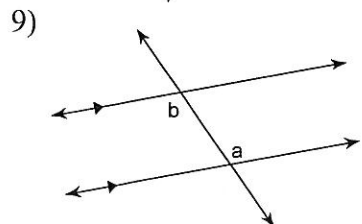
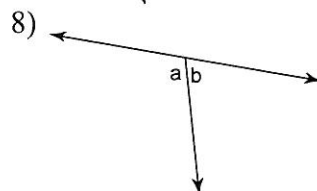
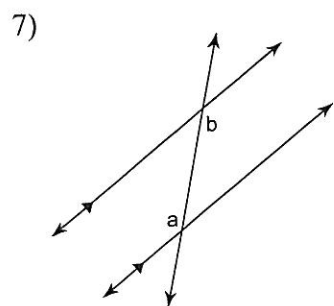
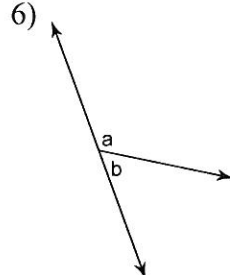
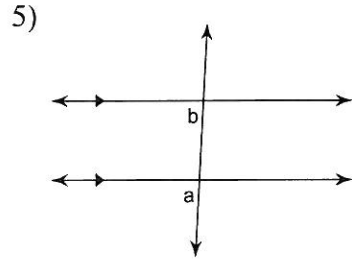
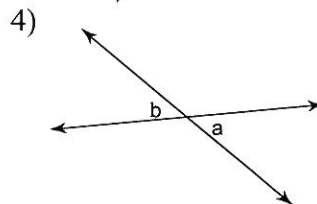
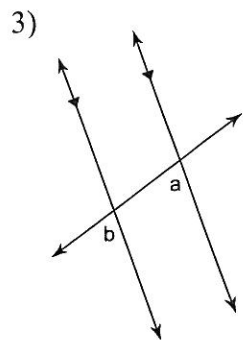
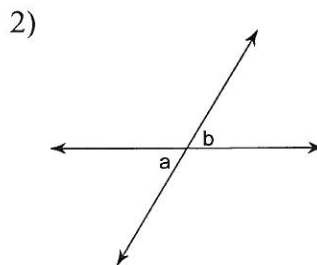
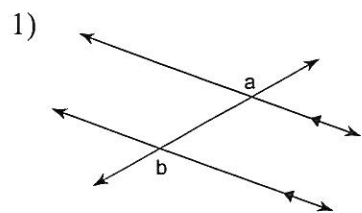
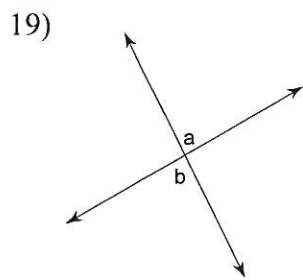
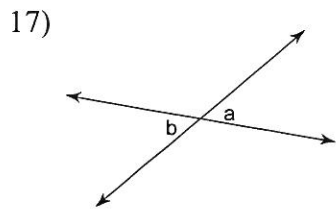
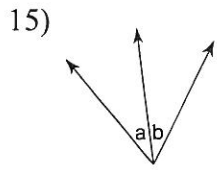
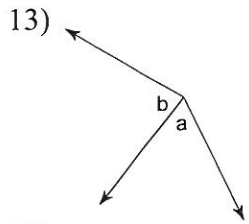


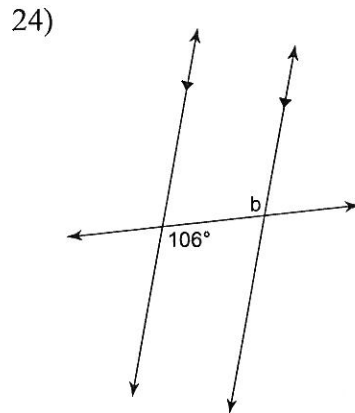
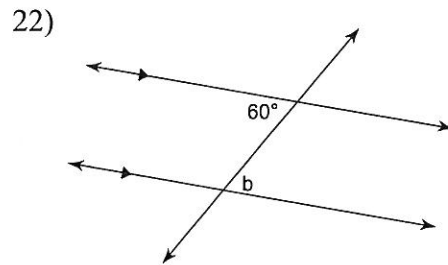
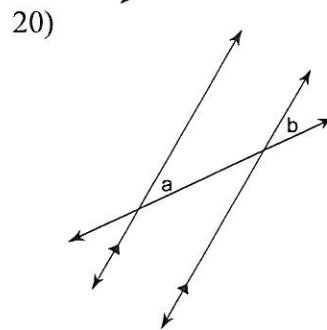
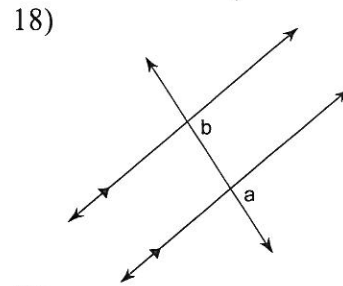
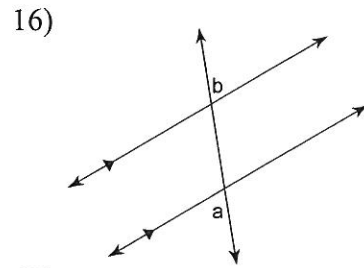
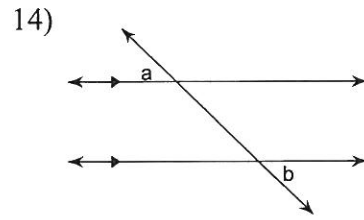
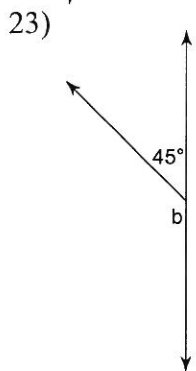
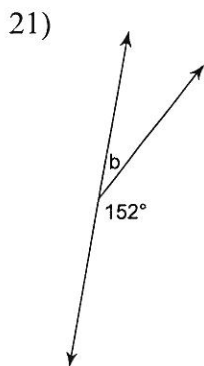
Study Guide for Test 6 - 2D Figures

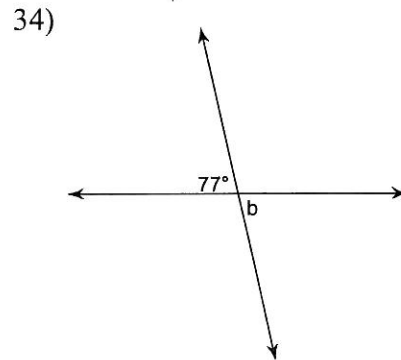
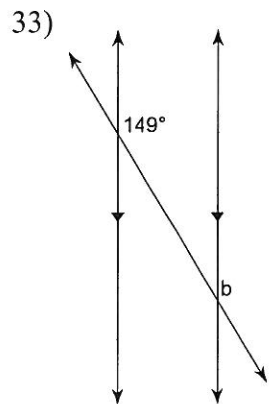
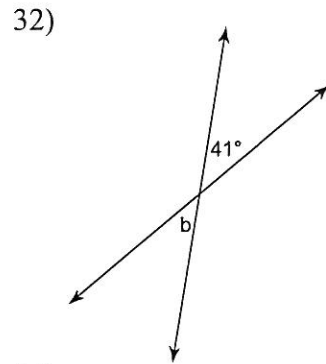
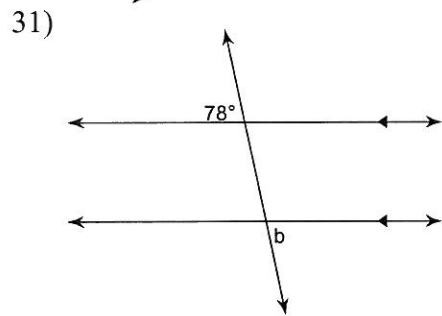
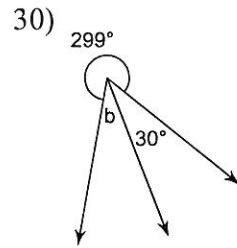
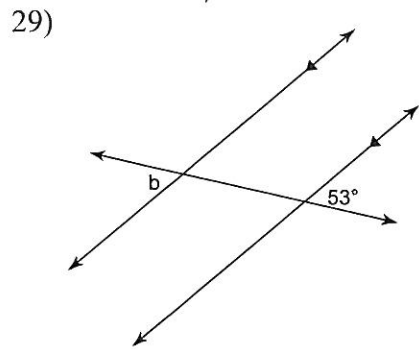
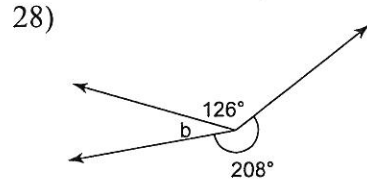
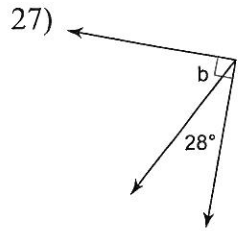
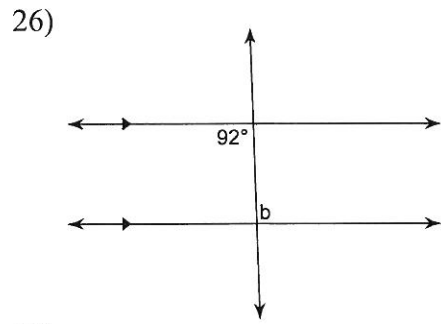
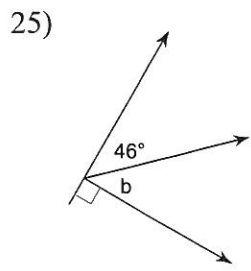
Name the relationship: complementary, supplementary, vertical, adjacent, alternate interior, corresponding, or alternate exterior.

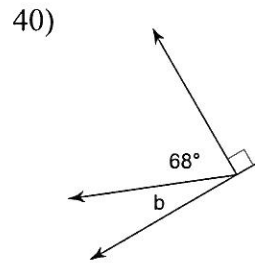
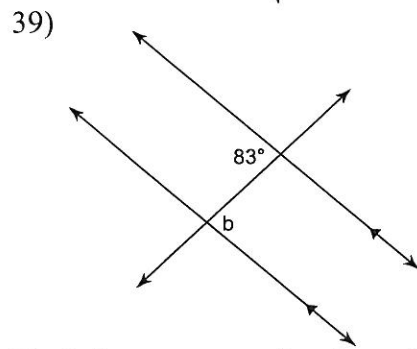
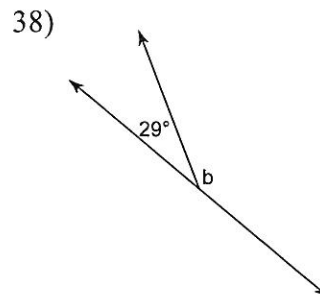
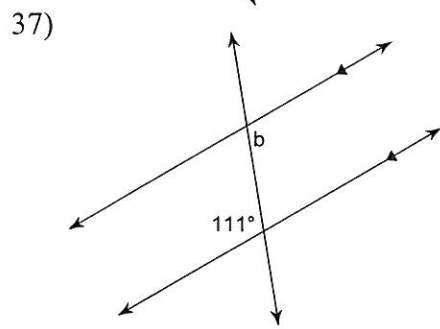
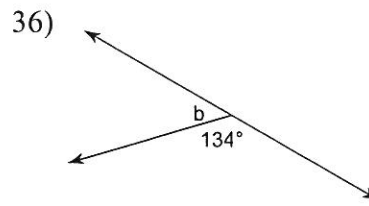
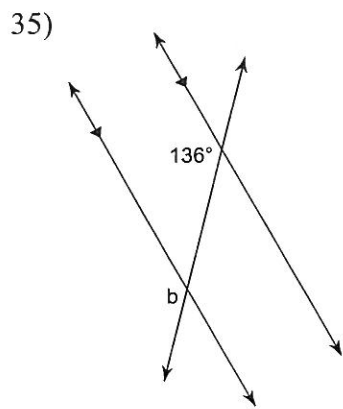




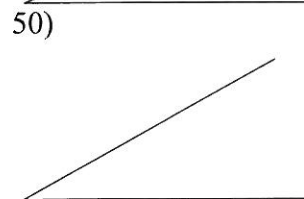
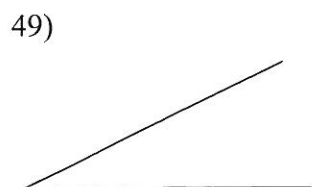
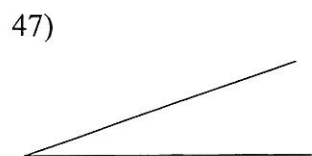
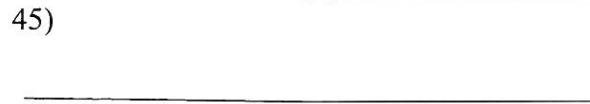
Find the measure of angle b.



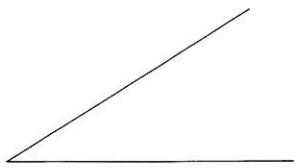




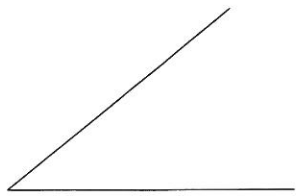
Find the measure of each angle to the nearest degree.



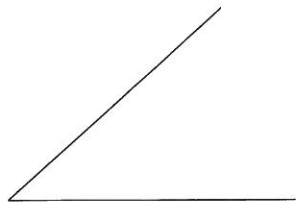
51)



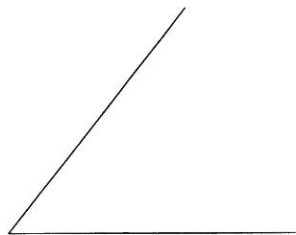
53)



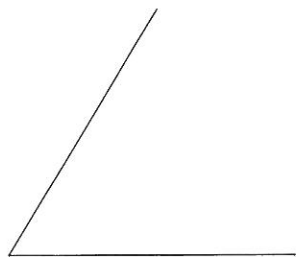
55)



57)



59)

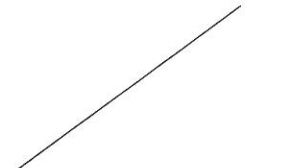


Draw an angle with the given measurement.

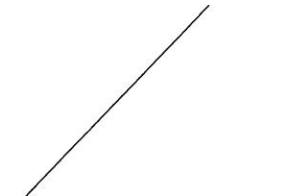
61) 100°



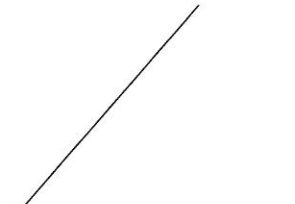
52)



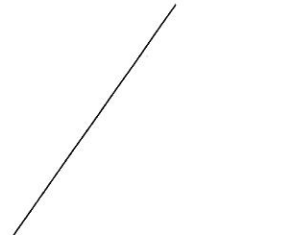
54)



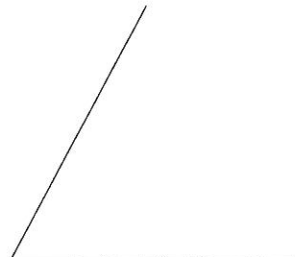
56)



58)



60)



62) 104°



63) 107°

64) 110°

65) 114°



66) 117°



67) 120°



68) 123°



69) 127°



70) 130°



71) 133°



72) 136°



73) 140°

74) 143°

75) 146°



76) 149°



77) 153°



78) 156°



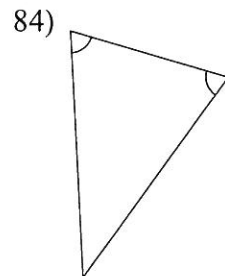
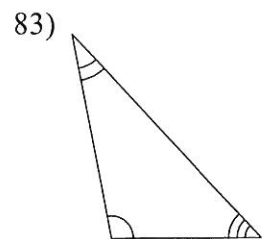
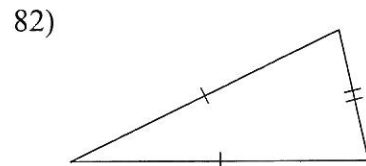
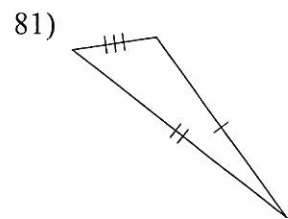
79) 159°



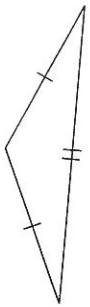
80) 163°



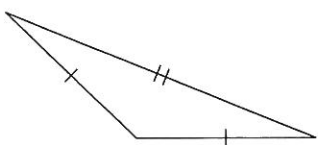
Classify each triangle by its angles and sides.



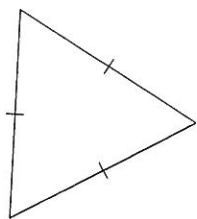
85)



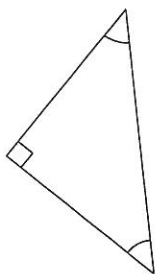
87)



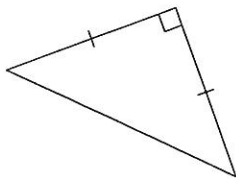
89)



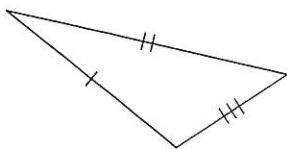
91)



93)



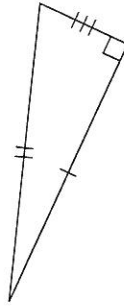
95)



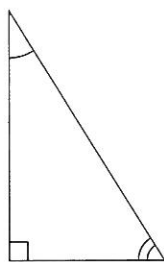
97)



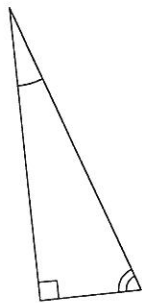
86)



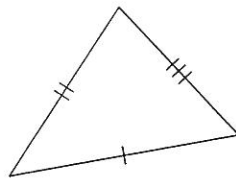
88)



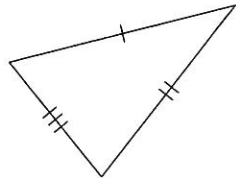
90)



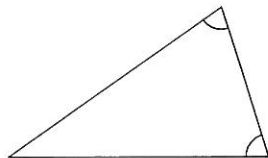
92)



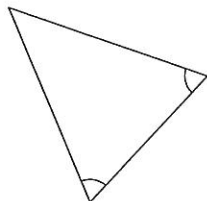
94)

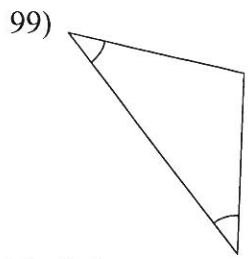


96)

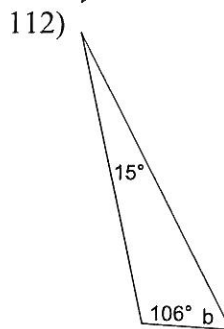
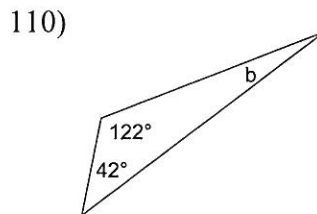
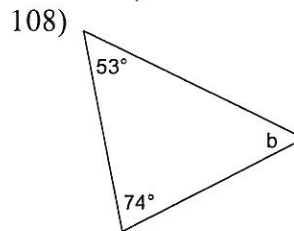
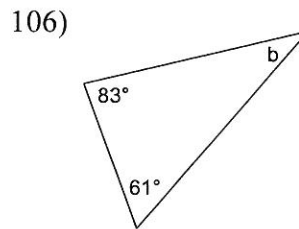
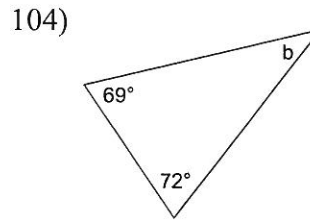
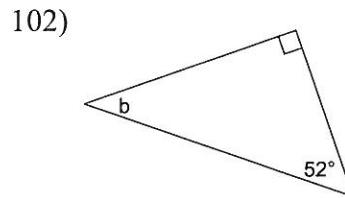
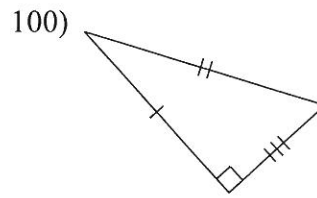
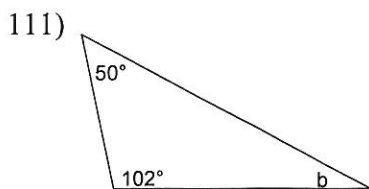
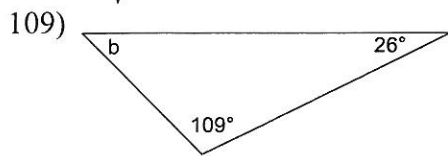
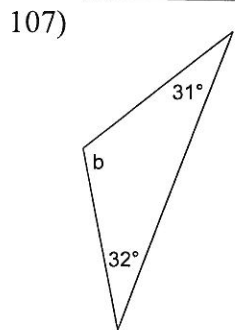
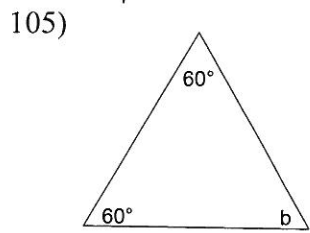
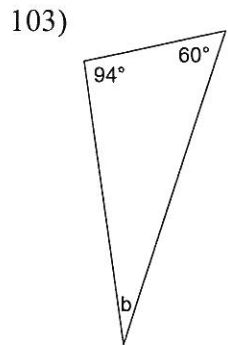
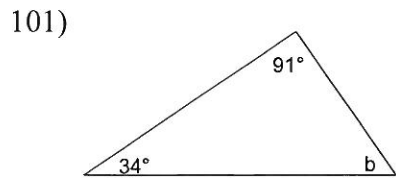


98)

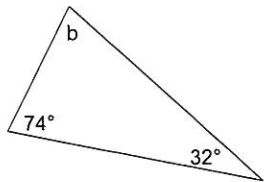




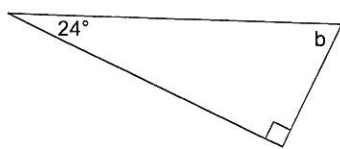
Find the measure of angle b.



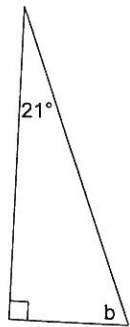
113)



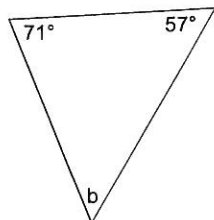
115)



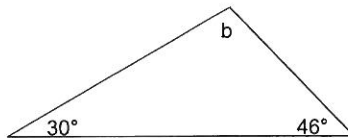
117)



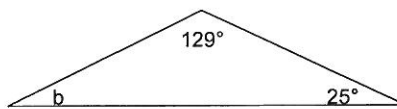
119)



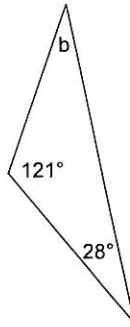
114)



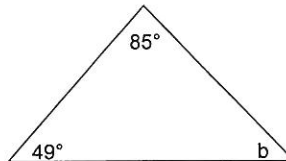
116)



118)

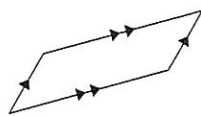


120)

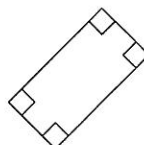


Classify each quadrilateral with the name that best describes it.

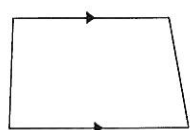
121)



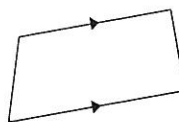
122)



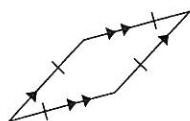
123)



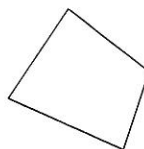
124)



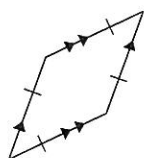
125)



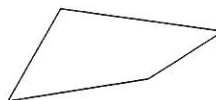
126)



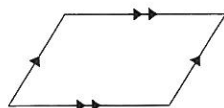
127)



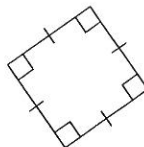
128)

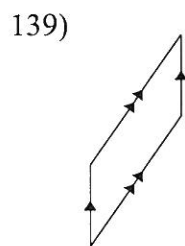
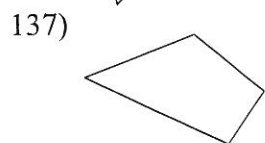
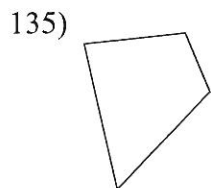
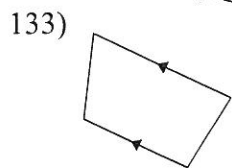
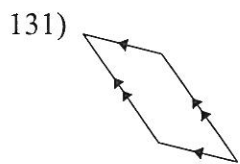


129)

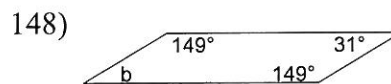
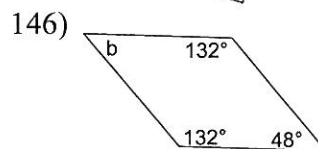
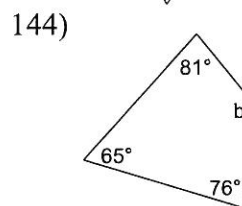
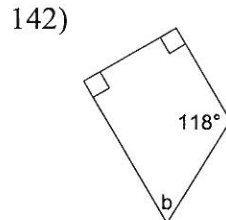
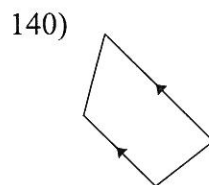
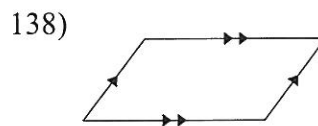
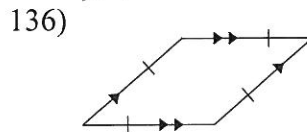
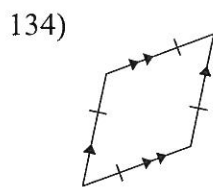
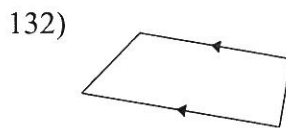
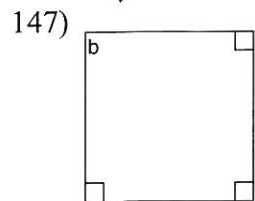
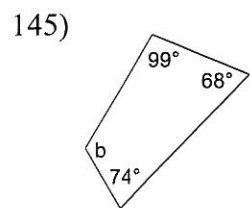
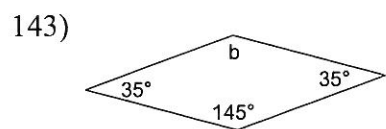
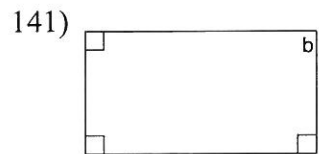


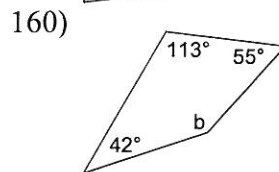
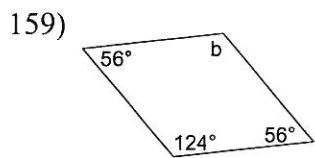
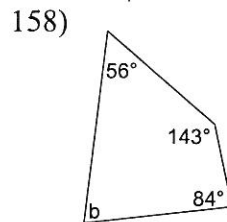
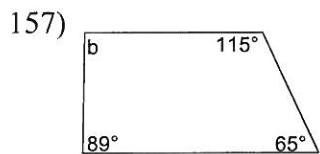
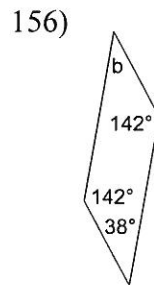
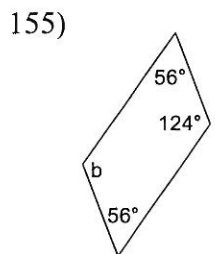
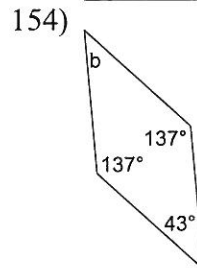
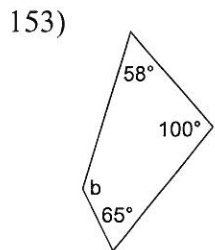
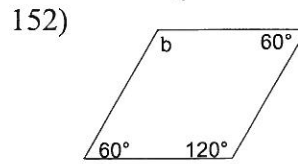
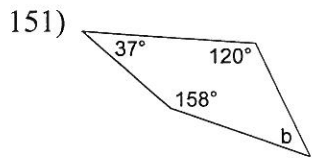
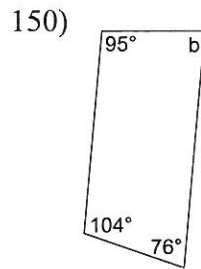
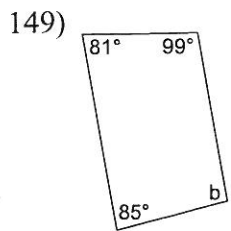
130)





Find the measure of angle b.

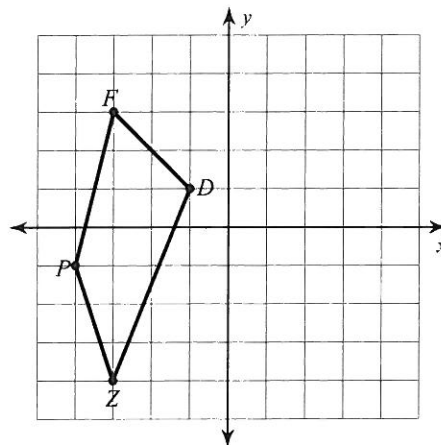
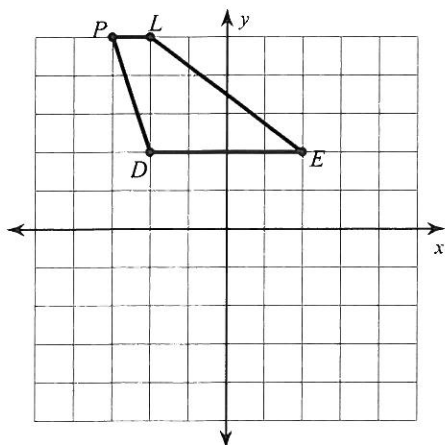




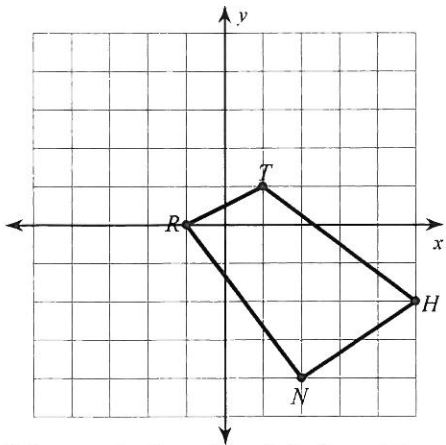
Graph the image of the figure using the transformation given.

161) rotation 180° about the origin

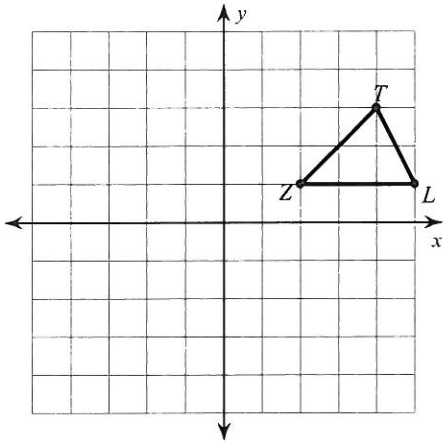
162) translation: 3 units right and 1 unit down



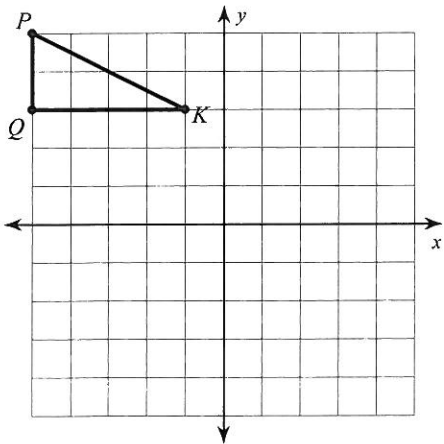
163) reflection across $x = 1$



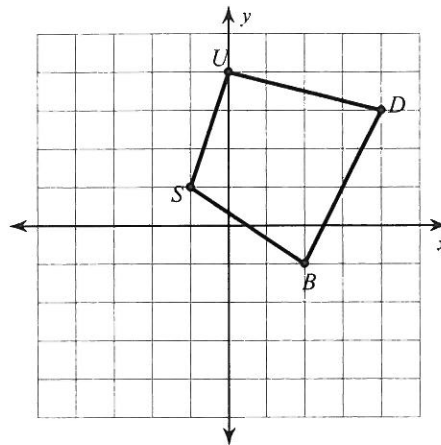
165) translation: 1 unit left and 1 unit down



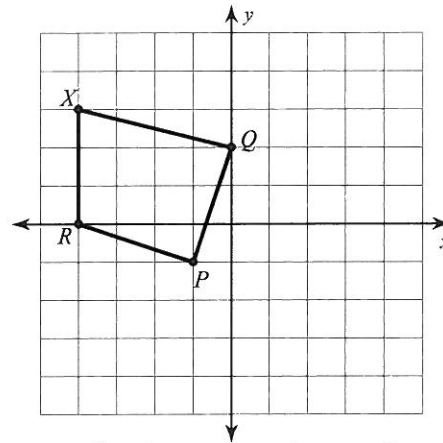
167) reflection across $x = -3$



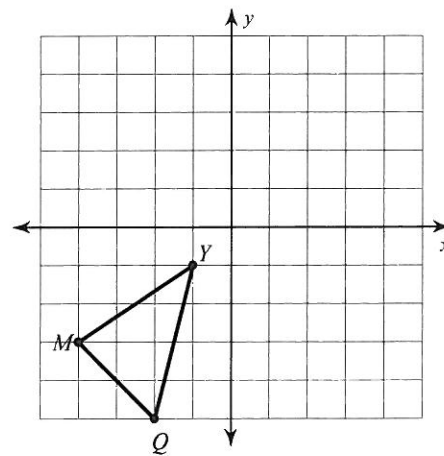
164) rotation 180° about the origin



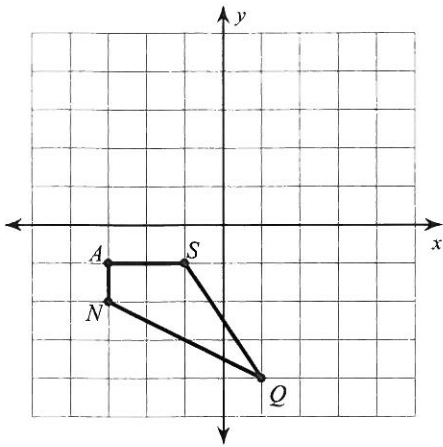
166) reflection across $x = -1$



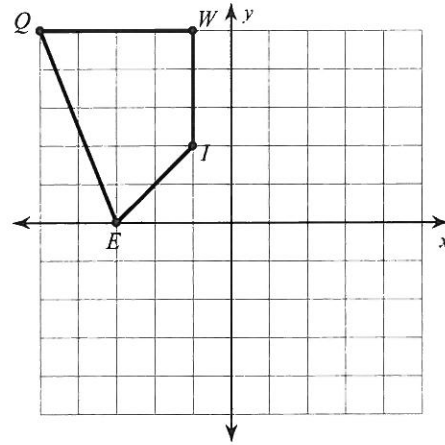
168) reflection across the x-axis



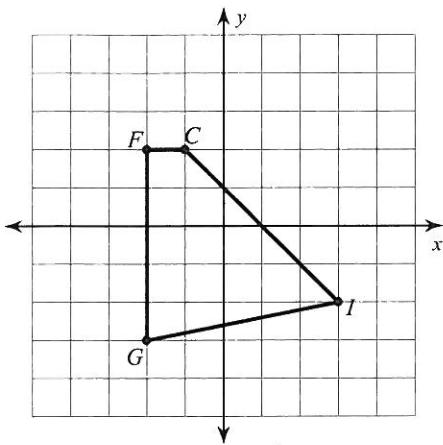
169) rotation 90° clockwise about the origin



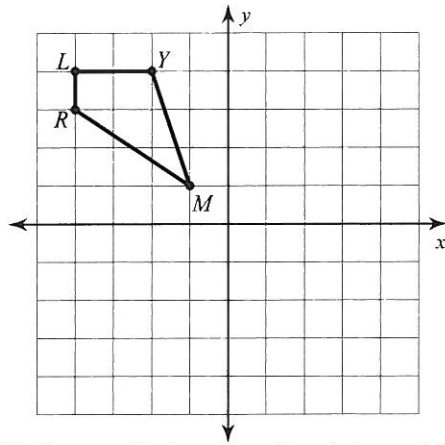
170) rotation 90° counterclockwise about the origin



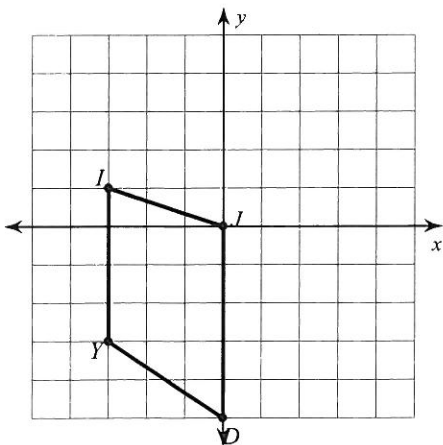
171) rotation 90° clockwise about the origin



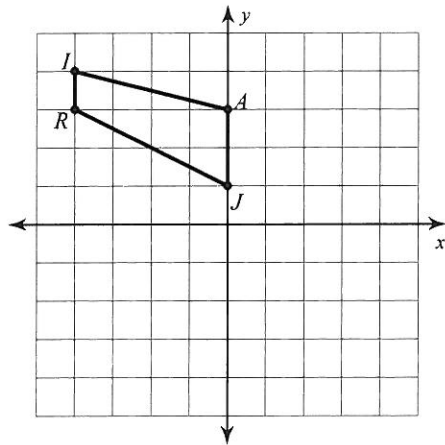
172) rotation 180° about the origin



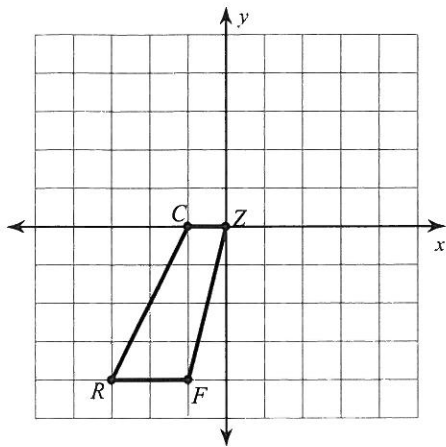
173) translation: 4 units up



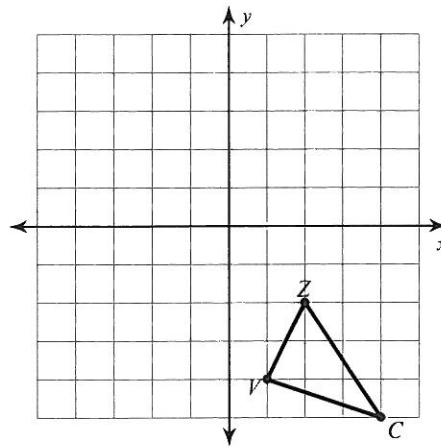
174) translation: 2 units right and 3 units down



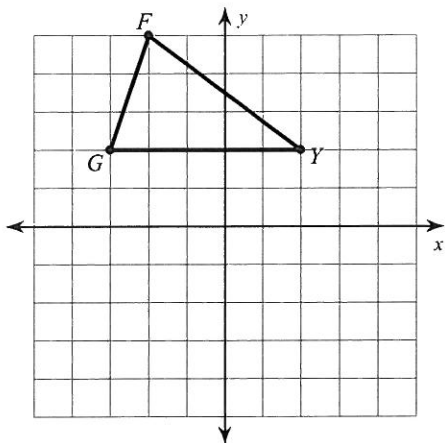
175) rotation 180° about the origin



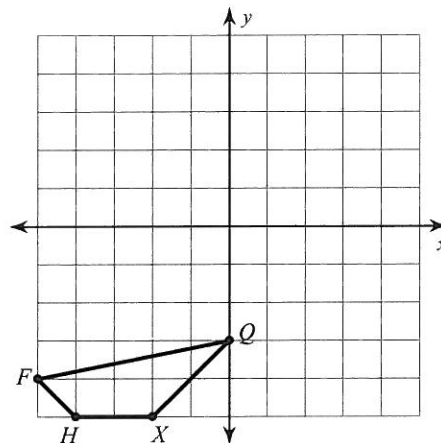
176) rotation 90° counterclockwise about the origin



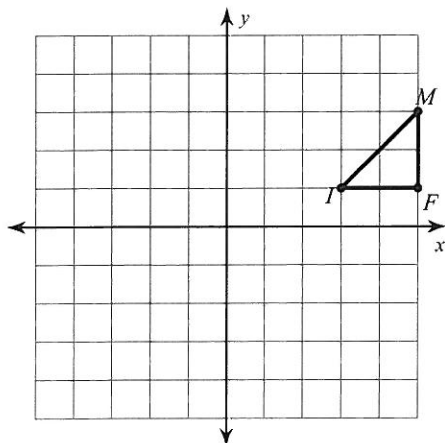
177) reflection across $x = 1$



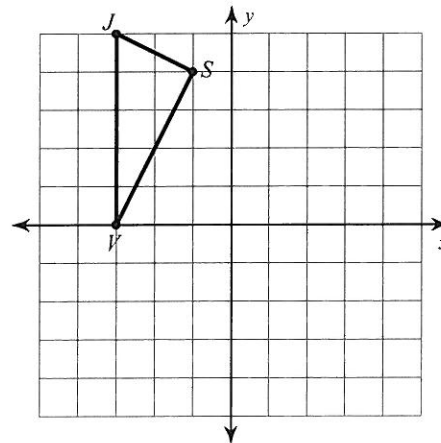
178) reflection across $x = -2$



179) reflection across $y = 3$

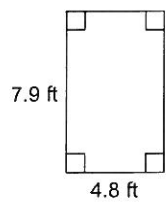


180) reflection across the x-axis

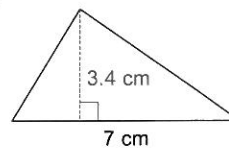


Find the area of each.

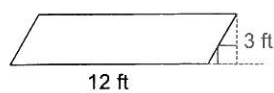
181)

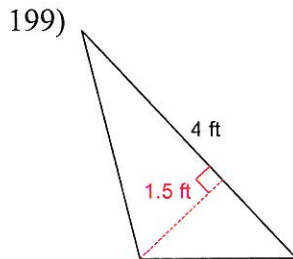
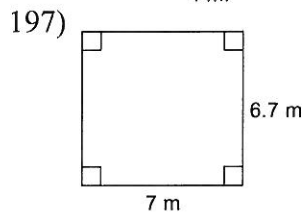
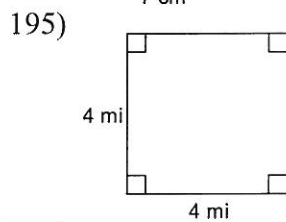
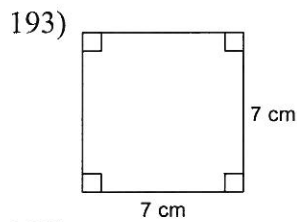
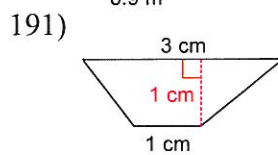
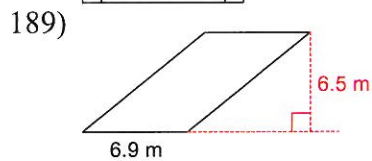
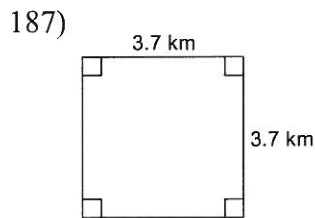
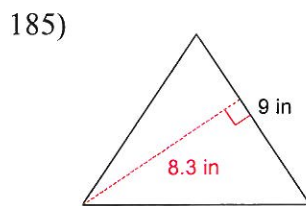
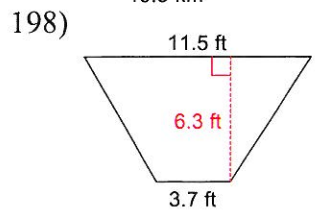
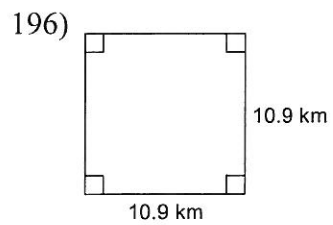
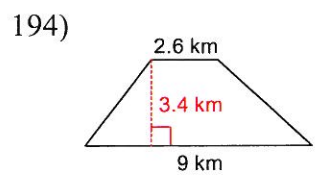
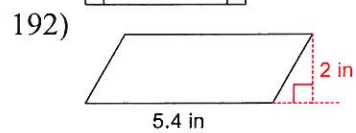
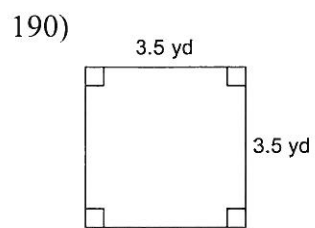
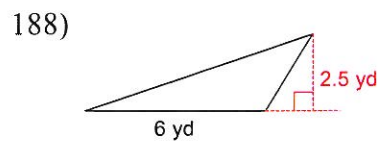
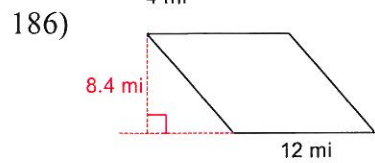
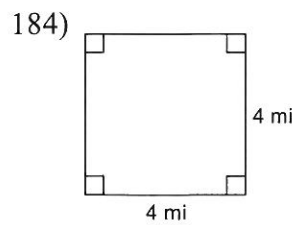


182)

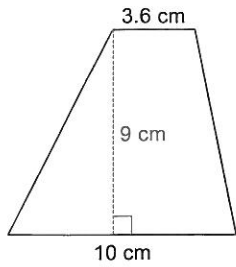


183)



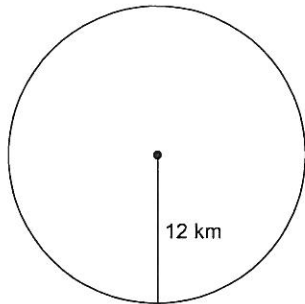


200)

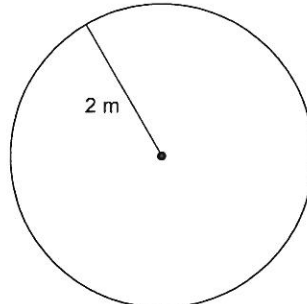


Find the circumference of each circle. Round your answer to the nearest hundredth.

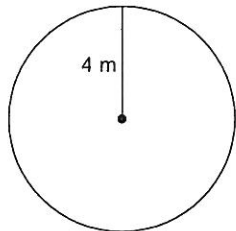
201)



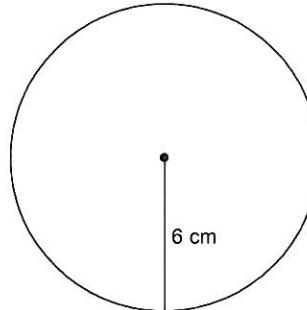
202)



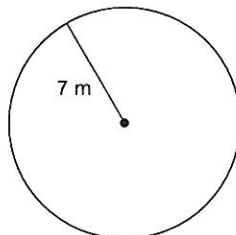
203)



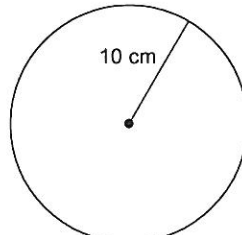
204)



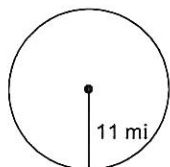
205)



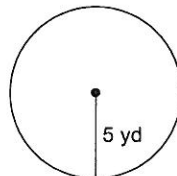
206)



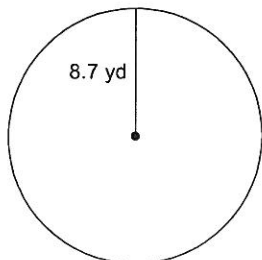
207)



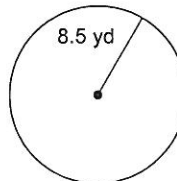
208)



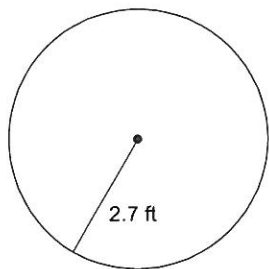
209)



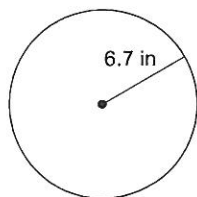
210)



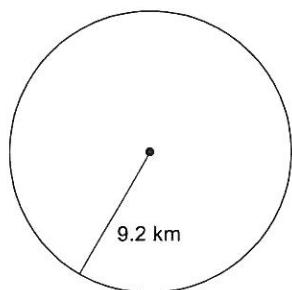
211)



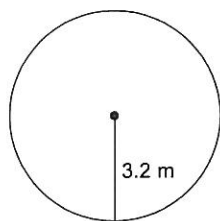
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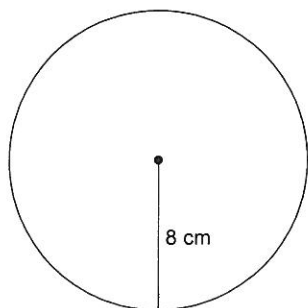
215)



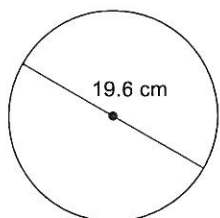
217)



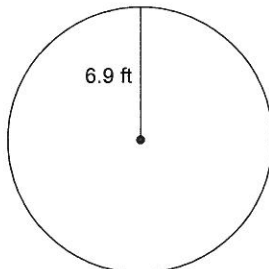
219)



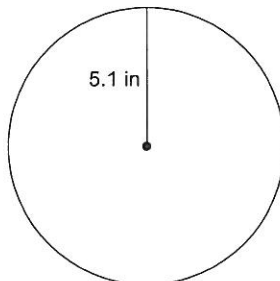
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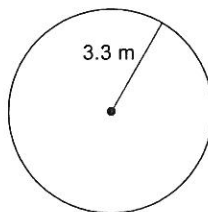
212)



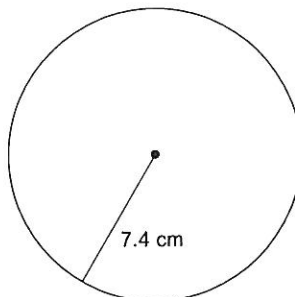
214)



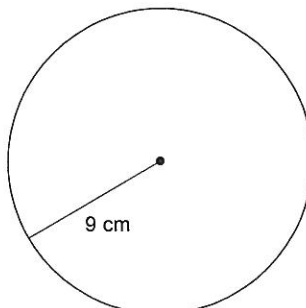
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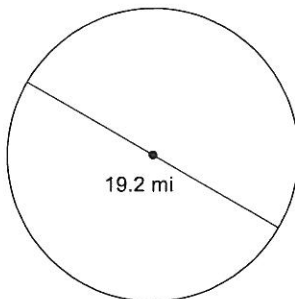
218)



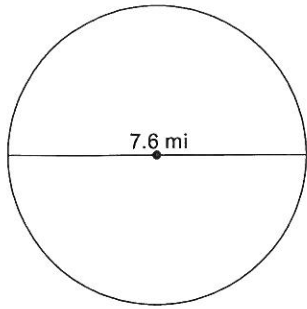
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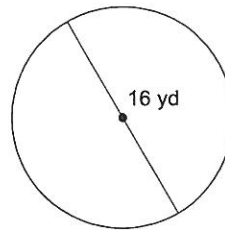
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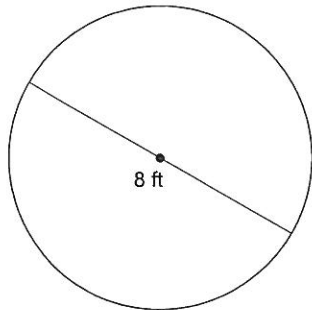
223)



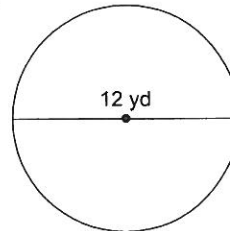
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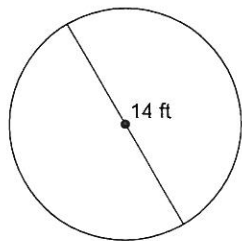
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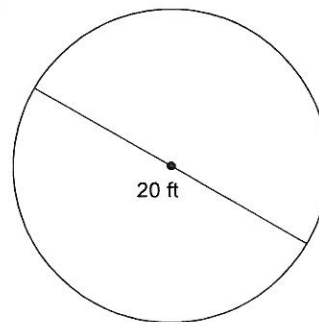
226)



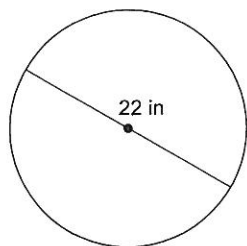
227)



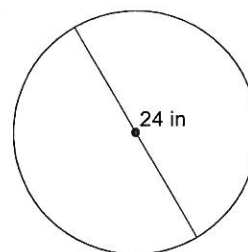
228)



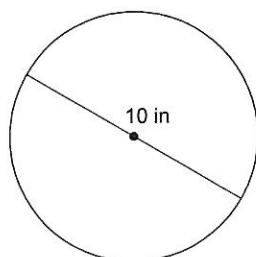
229)



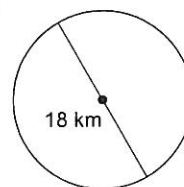
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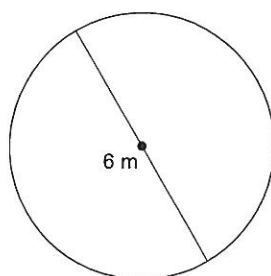
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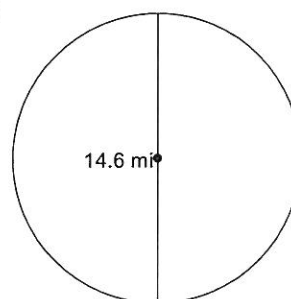
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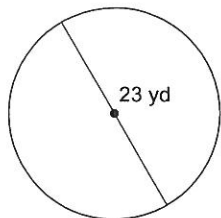
233)



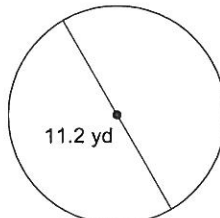
234)



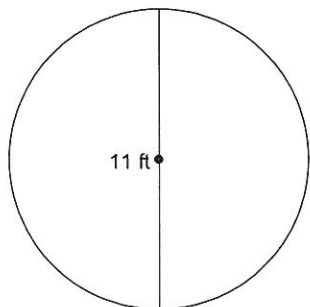
235)



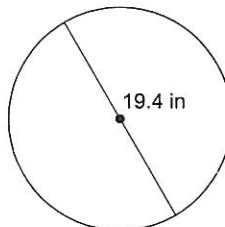
236)



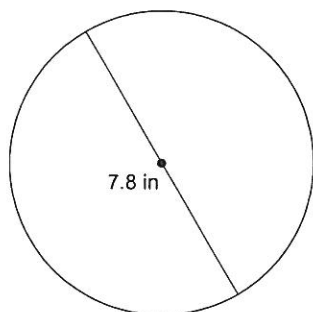
237)



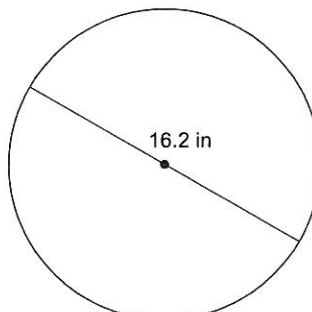
238)



239)

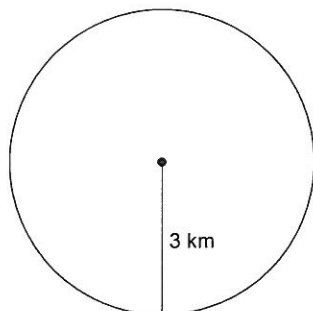


240)

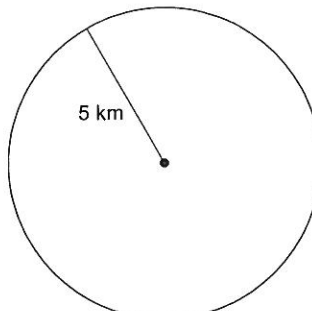


Find the area of each. Round your answer to the nearest hundredth.

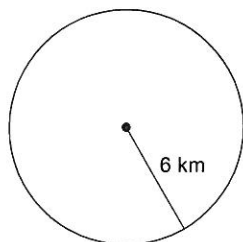
241)



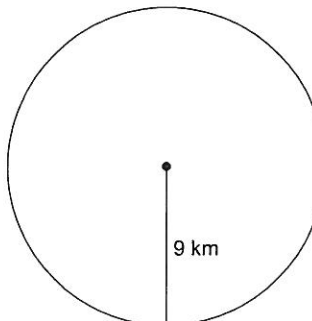
242)



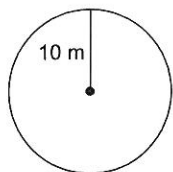
243)



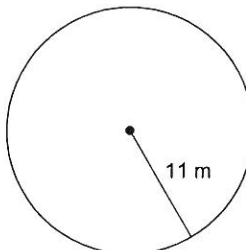
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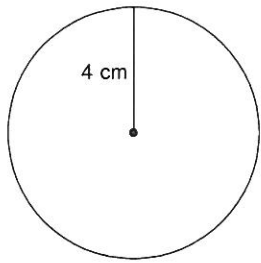
245)



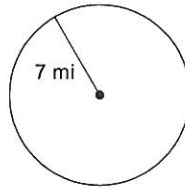
246)



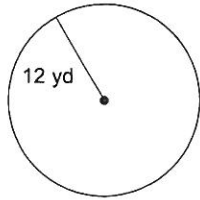
247)



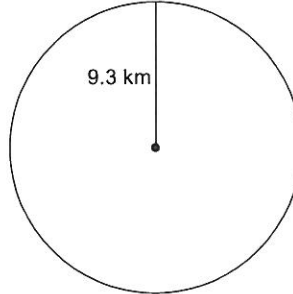
248)



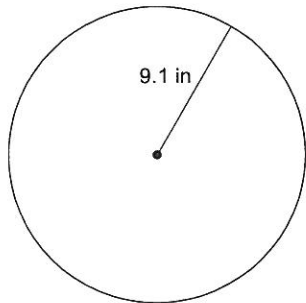
249)



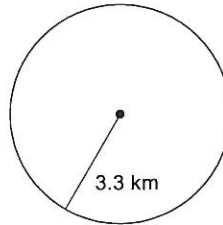
250)



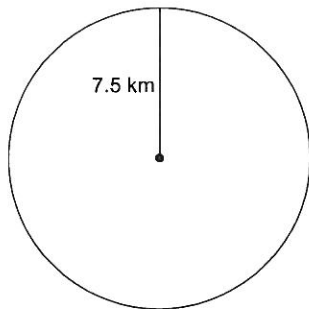
251)



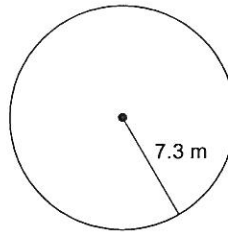
252)



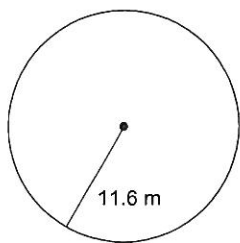
253)



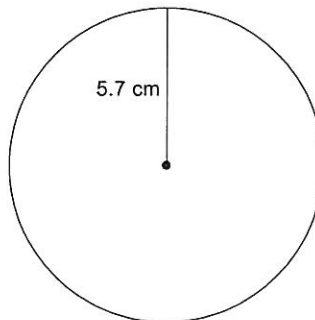
254)



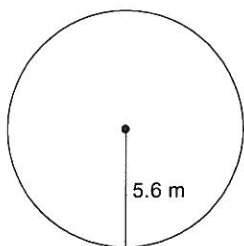
255)



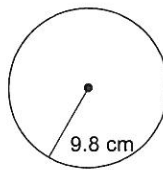
256)



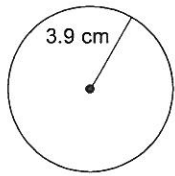
257)



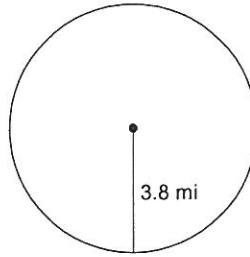
258)



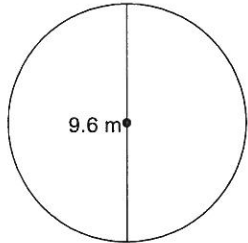
259)



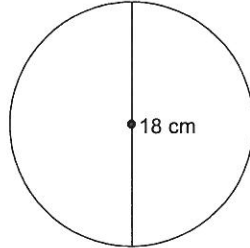
260)



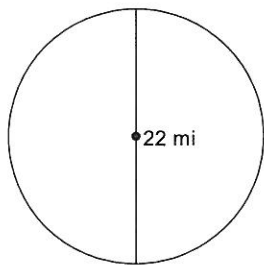
261)



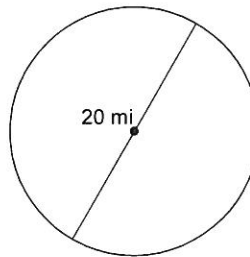
262)



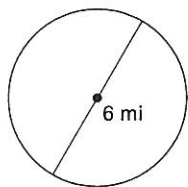
263)



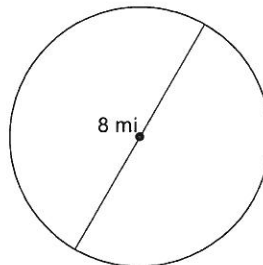
264)



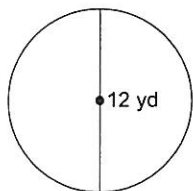
265)



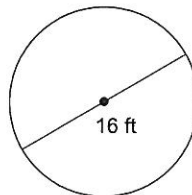
266)



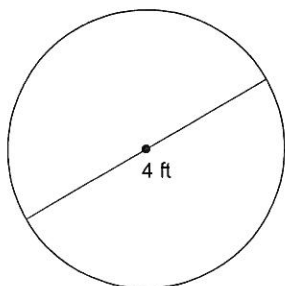
267)



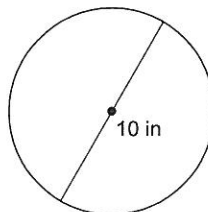
268)



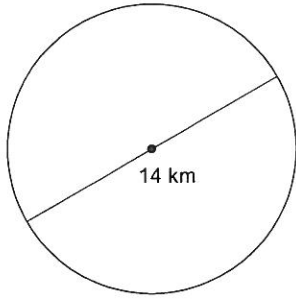
269)



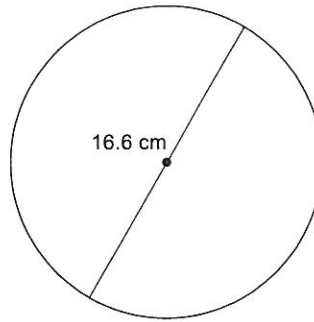
270)



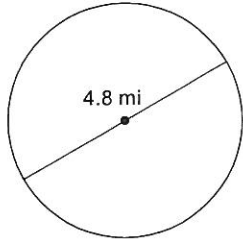
271)



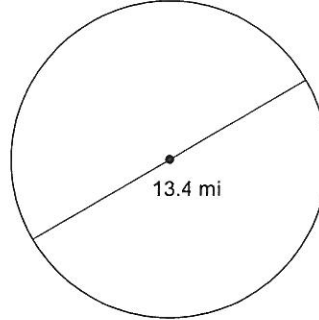
272)



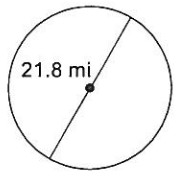
273)



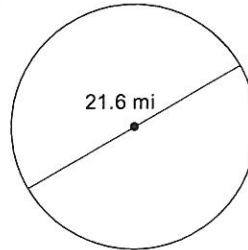
274)



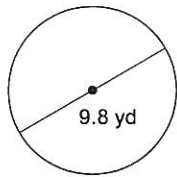
275)



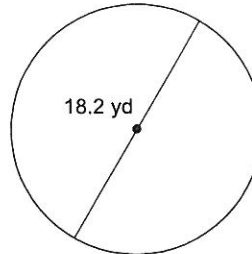
276)



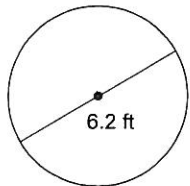
277)



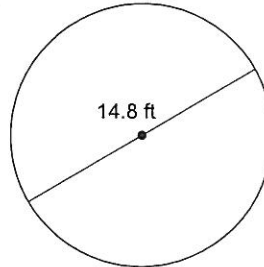
278)



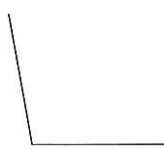
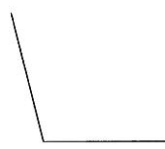
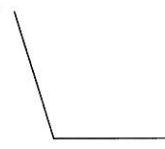
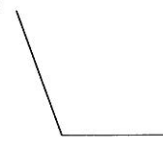
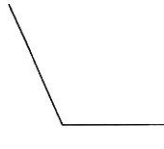
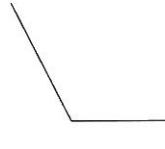
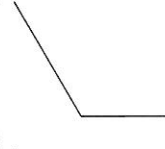
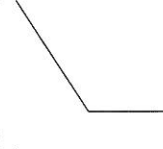
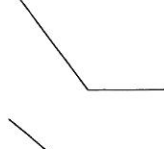
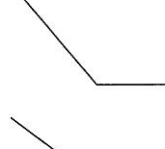
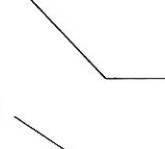
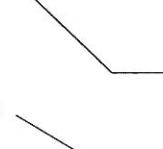
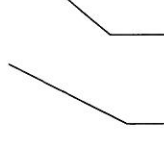
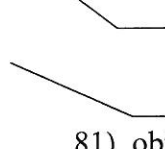
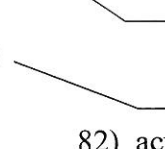
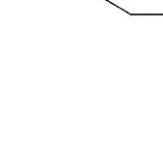
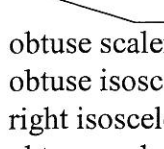
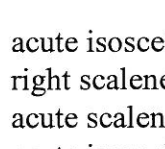
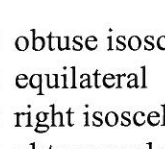
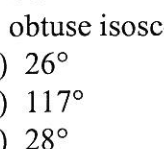
279)



280)



Answers to Study Guide for Test 6 - 2D Figures

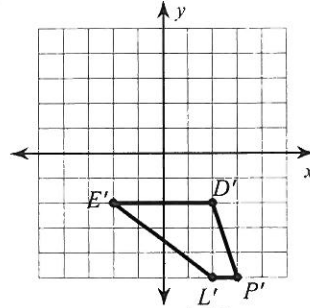
- | | | | |
|---|---|--|---|
| 1) alternate exterior | 2) vertical | 3) corresponding | 4) vertical |
| 5) corresponding | 6) supplementary | 7) alternate interior | 8) supplementary |
| 9) alternate interior | 10) complementary | 11) alternate interior | 12) complementary |
| 13) adjacent | 14) alternate exterior | 15) adjacent | 16) alternate exterior |
| 17) vertical | 18) corresponding | 19) vertical | 20) corresponding |
| 21) 28° | 22) 60° | 23) 135° | 24) 106° |
| 25) 44° | 26) 92° | 27) 62° | 28) 26° |
| 29) 53° | 30) 31° | 31) 78° | 32) 41° |
| 33) 149° | 34) 77° | 35) 136° | 36) 46° |
| 37) 111° | 38) 151° | 39) 83° | 40) 22° |
| 41) 166° | 42) 169° | 43) 172° | 44) 176° |
| 45) 179° | 46) 16° | 47) 19° | 48) 23° |
| 49) 26° | 50) 29° | 51) 32° | 52) 36° |
| 53) 39° | 54) 46° | 55) 42° | 56) 49° |
| 57) 52° | 58) 55° | 59) 59° | 60) 62° |
| 61)  | 62)  | 63)  | 64)  |
| 65)  | 66)  | 67)  | 68)  |
| 69)  | 70)  | 71)  | 72)  |
| 73)  | 74)  | 75)  | 76)  |
| 77)  | 78)  | 79)  | |
| 80)  | 81) obtuse scalene | 82) acute isosceles | |
| 83) obtuse scalene | 84) acute isosceles | 85) obtuse isosceles | 86) right scalene |
| 87) obtuse isosceles | 88) right scalene | 89) equilateral | 90) right scalene |
| 91) right isosceles | 92) acute scalene | 93) right isosceles | 94) acute scalene |
| 95) obtuse scalene | 96) acute isosceles | 97) obtuse scalene | 98) acute isosceles |
| 99) obtuse isosceles | 100) right scalene | 101) 55° | 102) 38° |
| 103) 26° | 104) 39° | 105) 60° | 106) 36° |
| 107) 117° | 108) 53° | 109) 45° | 110) 16° |
| 111) 28° | 112) 59° | 113) 74° | 114) 104° |
| 115) 66° | 116) 26° | 117) 69° | 118) 31° |
| 119) 52° | 120) 46° | 121) Parallelogram | 122) Rectangle |
| 123) Trapezoid | 124) Trapezoid | 125) Rhombus | 126) Quadrilateral |
| 127) Rhombus | 128) Quadrilateral | 129) Parallelogram | 130) Square |
| 131) Parallelogram | 132) Trapezoid | 133) Trapezoid | 134) Rhombus |
| 135) Quadrilateral | 136) Rhombus | 137) Quadrilateral | 138) Parallelogram |
| 139) Parallelogram | 140) Trapezoid | 141) 90° | 142) 62° |

- 143) 145°
- 147) 90°
- 151) 45°
- 155) 124°
- 159) 124°

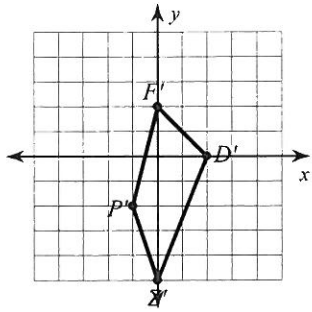
- 144) 138°
- 148) 31°
- 152) 120°
- 156) 38°
- 160) 150°

- 145) 119°
- 149) 95°
- 153) 137°
- 157) 91°
- 161)

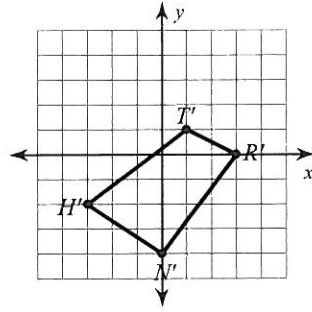
- 146) 48°
- 150) 85°
- 154) 43°
- 158) 77°



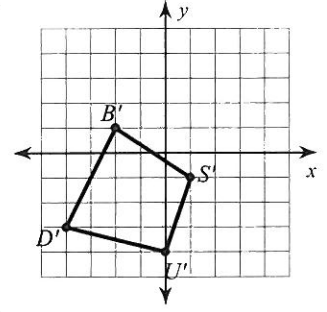
162)



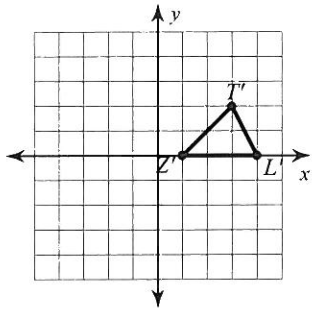
163)



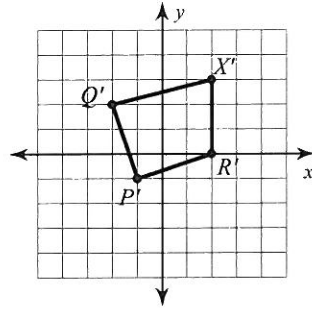
164)



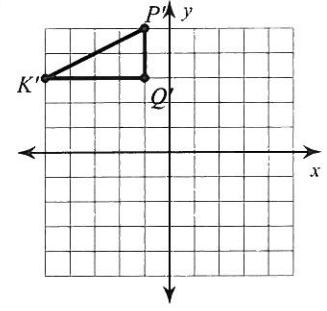
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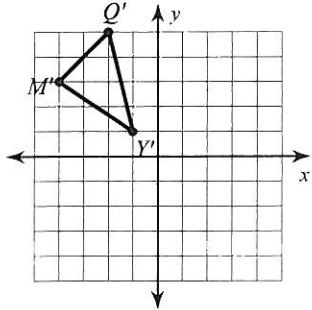
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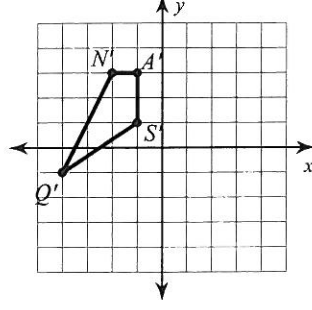
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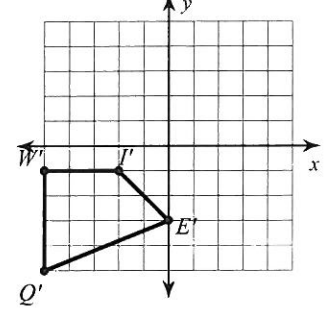
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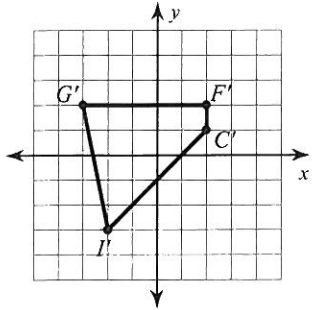
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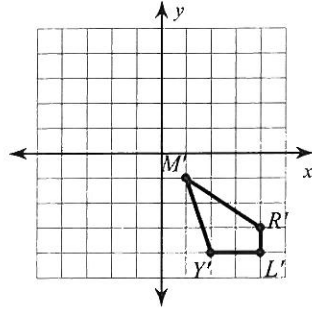
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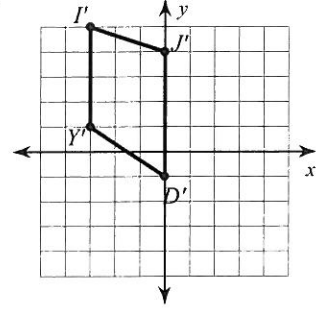
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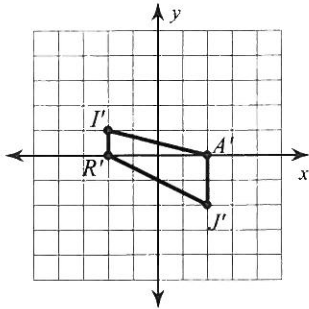
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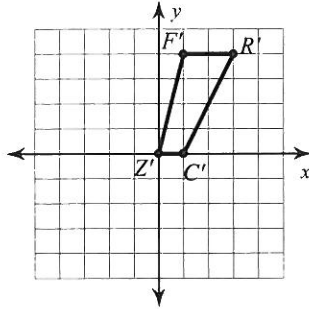
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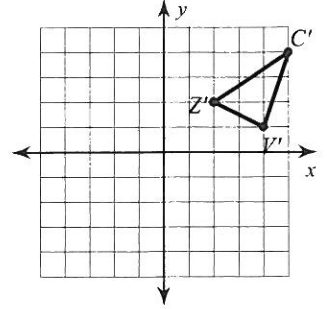
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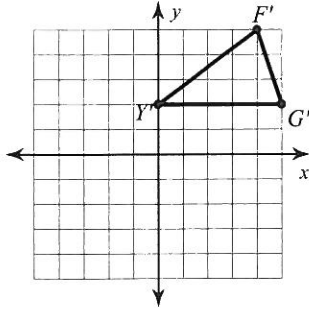
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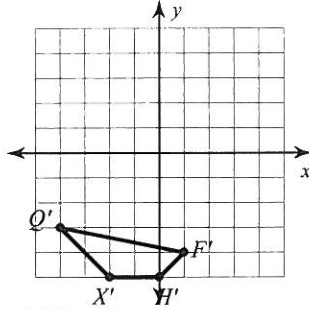
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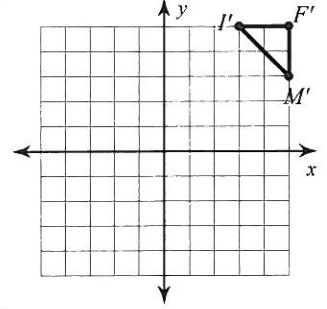
177)



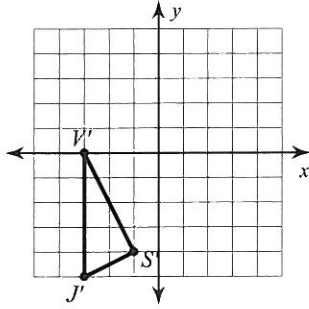
178)



179)



180)

181) 37.92 ft²182) 11.9 cm²183) 36 ft²187) 13.69 km²191) 2 cm²195) 16 mi²199) 3 ft²

203) 25.12 m

207) 69.08 mi

211) 16.96 ft

215) 57.78 km

219) 50.24 cm

223) 23.86 mi

227) 43.96 ft

231) 31.40 in

235) 75.22 yd

239) 24.49 in

243) 113.04 km²247) 50.24 cm²251) 260.02 in²255) 422.52 m²259) 47.76 cm²263) 379.94 mi²267) 113.04 yd²271) 153.86 km²275) 373.06 mi²184) 16 mi²188) 7.5 yd²192) 10.8 in²196) 118.81 km²200) 61.2 cm²

204) 37.68 cm

208) 31.40 yd

212) 43.33 ft

216) 20.72 m

220) 56.52 cm

224) 50.24 yd

228) 62.80 ft

232) 56.52 km

236) 35.17 yd

240) 50.87 in

244) 254,34 km²248) 153.86 mi²252) 34.19 km²256) 102.02 cm²260) 45.34 mi²264) 314.00 mi²268) 200.96 ft²272) 216.31 cm²276) 366.25 mi²185) 37.35 in²189) 44.85 m²193) 49 cm²197) 46.9 m²

201) 75.36 km

205) 43.96 m

209) 54.64 yd

213) 42.08 in

217) 20.10 m

221) 61.54 cm

225) 25.12 ft

229) 69.08 in

233) 18.84 m

237) 34.54 ft

241) 28,26 km²245) 314.00 m²249) 452.16 yd²253) 176.63 km²257) 98.47 m²261) 72.35 m²265) 28.26 mi²269) 12.56 ft²273) 18.09 mi²277) 75.39 yd²186) 100.8 mi²190) 12.25 yd²194) 19.72 km²198) 47.88 ft²

202) 12.56 m

206) 62.80 cm

210) 53.38 yd

214) 32.03 in

218) 46.47 cm

222) 60.29 mi

226) 37.68 yd

230) 75.36 in

234) 45.84 mi

238) 60.92 in

242) 78.50 km²246) 379.94 m²250) 271.58 km²254) 167.33 m²258) 301.57 cm²262) 254.34 cm²266) 50.24 mi²270) 78.50 in²274) 140.95 mi²278) 260.02 yd²

279) ~~30.18~~ ft²

280) ~~17.95~~ ft²