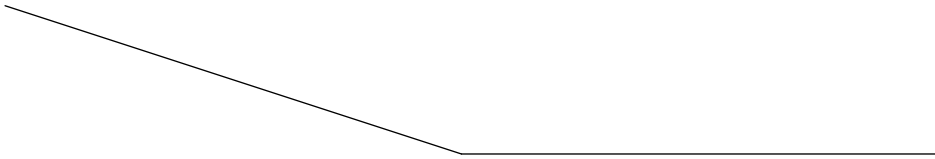


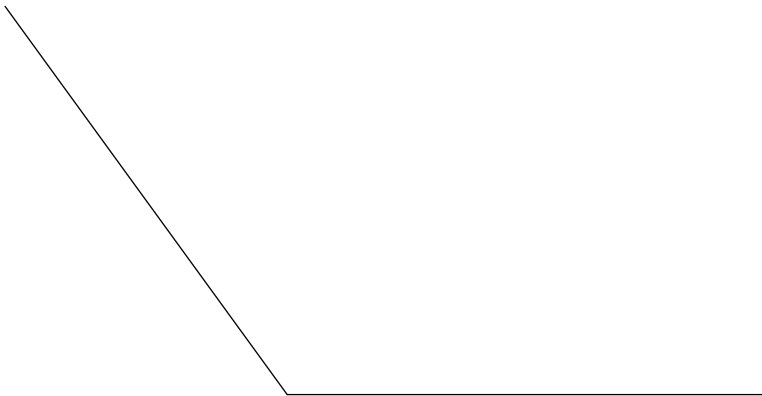
Study Guide Test 7 Geometry

Find the measure of each angle to the nearest degree.

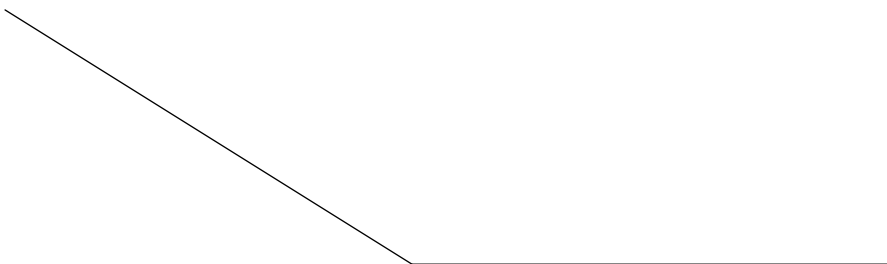
1)



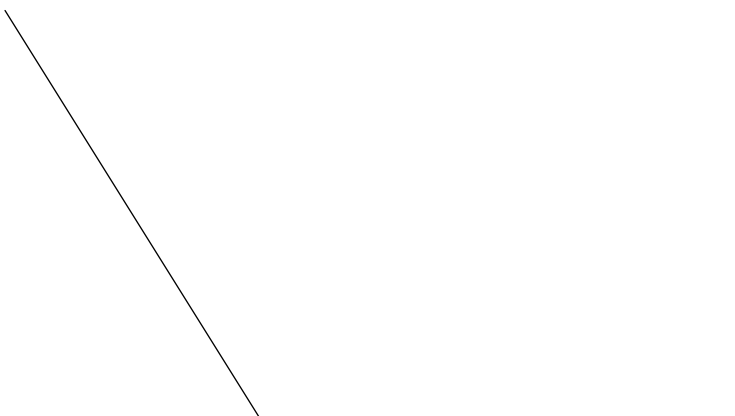
2)



3)



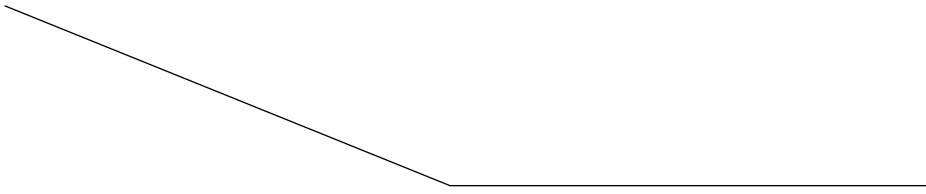
4)



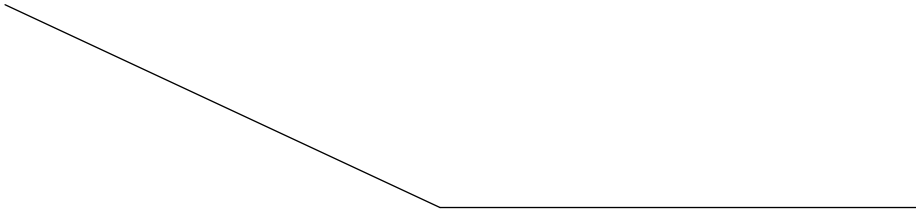
5)



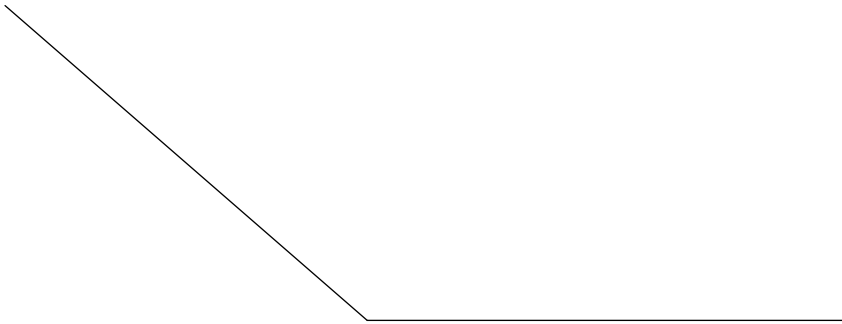
6)



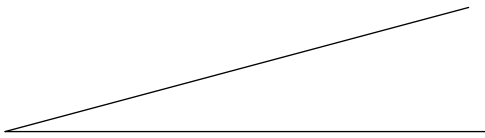
7)



8)



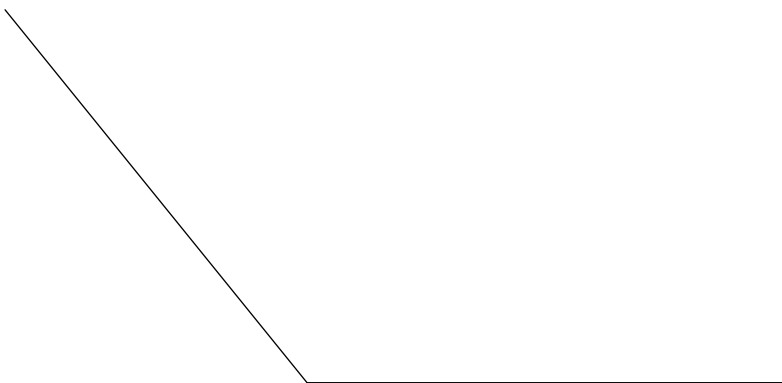
9)



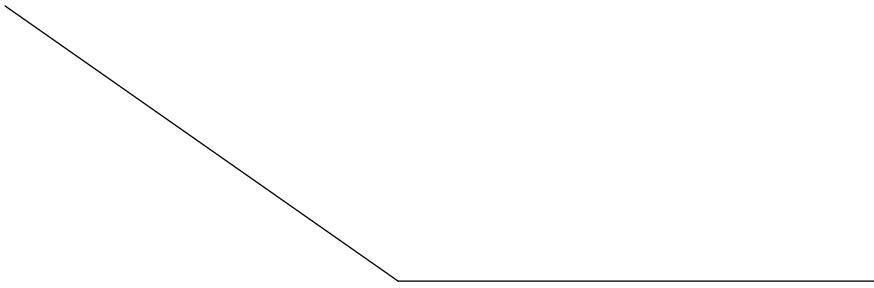
10)



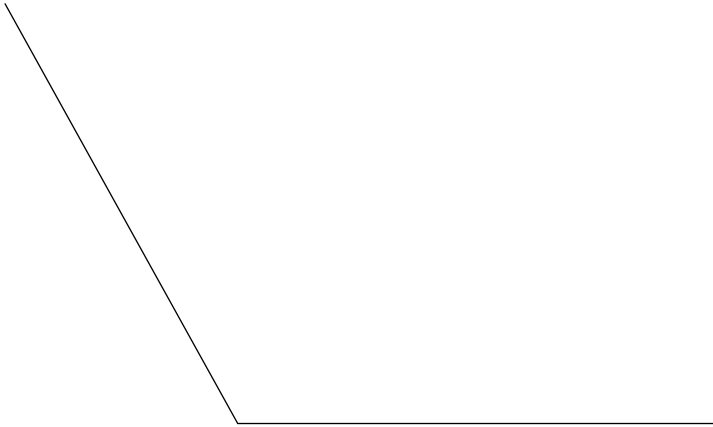
11)



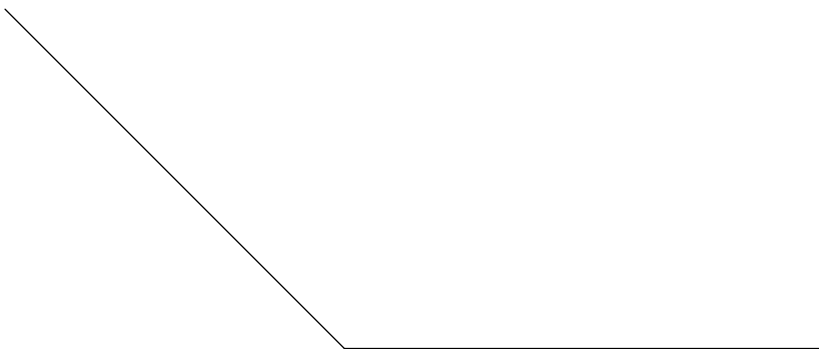
12)



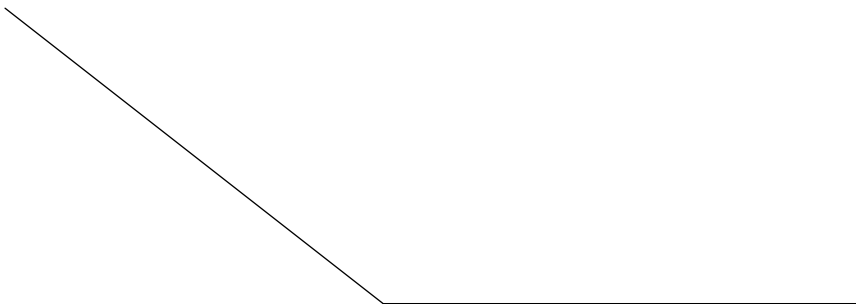
13)



14)



15)



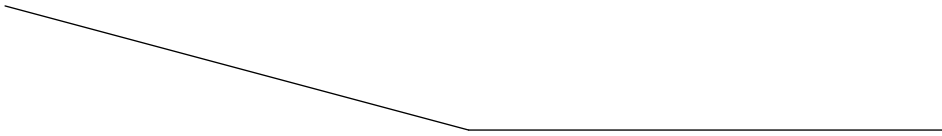
16)



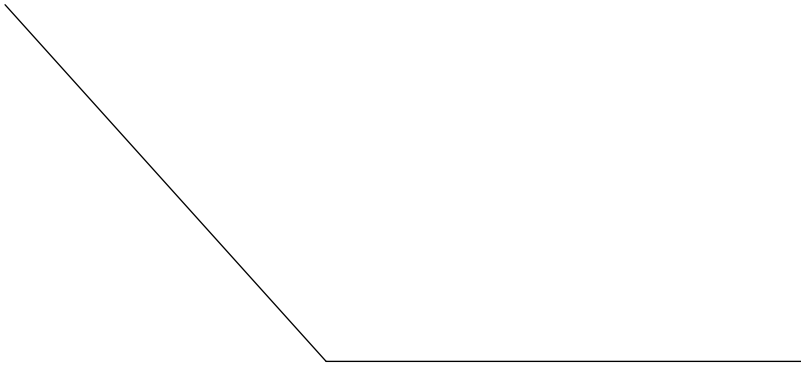
17)



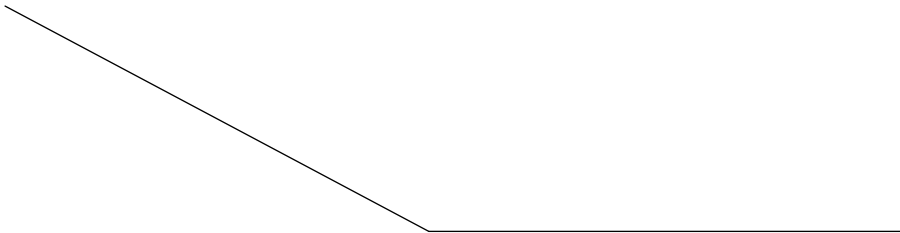
18)



19)

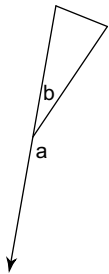


20)

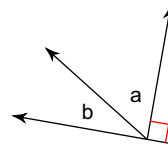


Name the relationship: complementary, supplementary (linear pair), vertical, or adjacent.

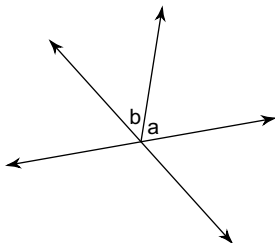
21)



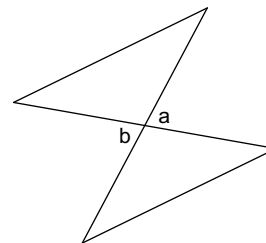
22)



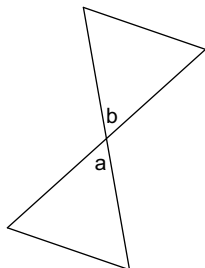
23)



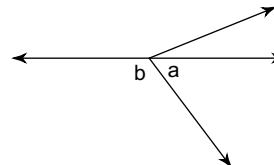
24)



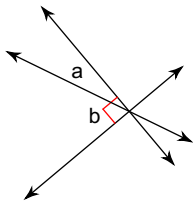
25)



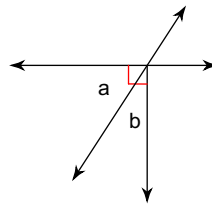
26)



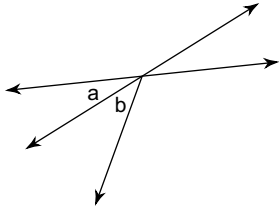
27)



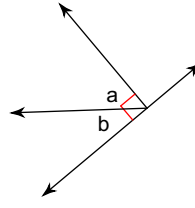
28)



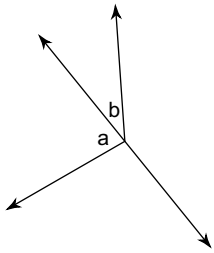
29)



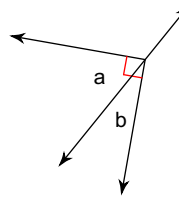
30)



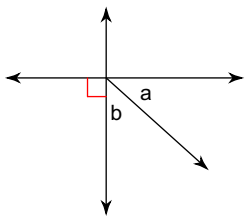
31)



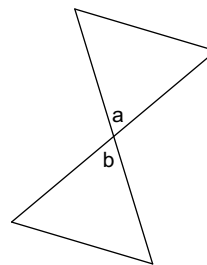
32)



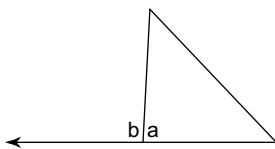
33)



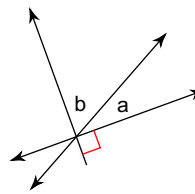
34)



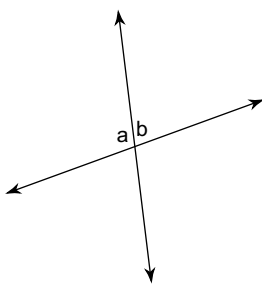
35)



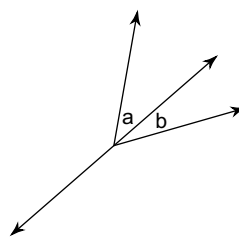
36)



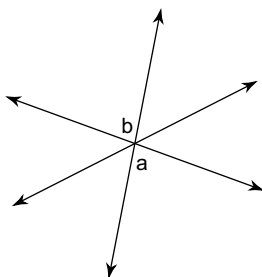
37)



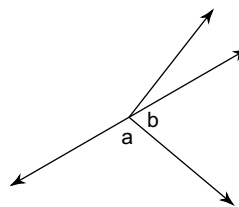
38)



39)

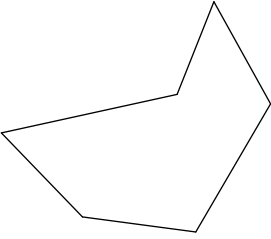


40)

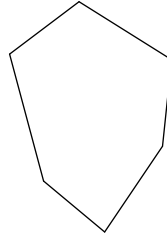


Write the name of each polygon.

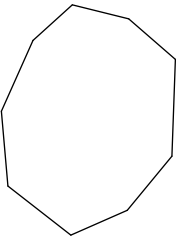
41)



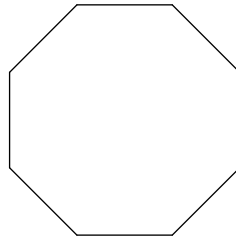
42)



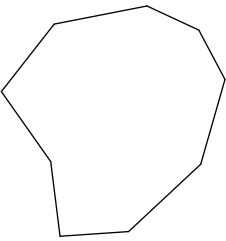
43)



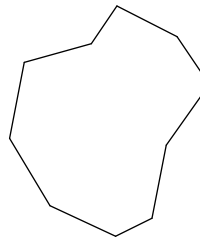
44)



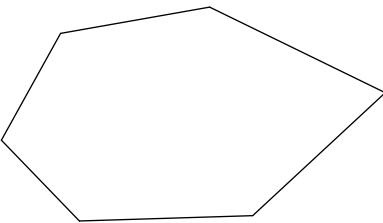
45)



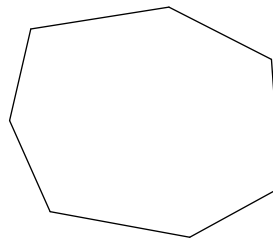
46)



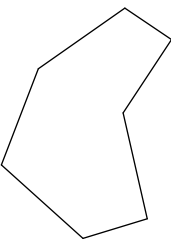
47)



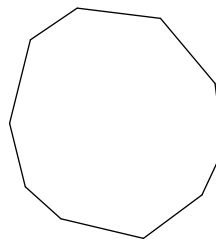
48)



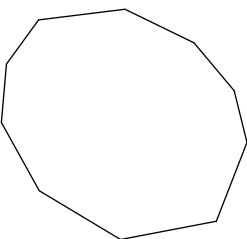
49)



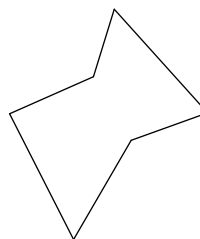
50)



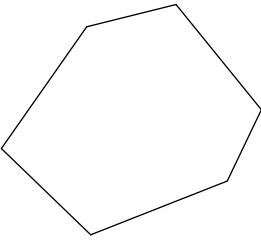
51)



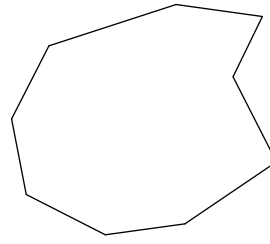
52)



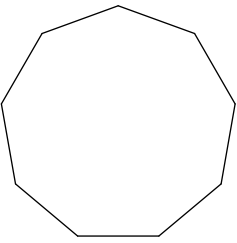
53)



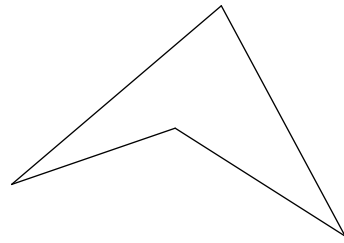
54)



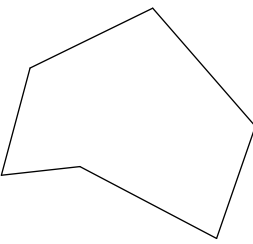
55)



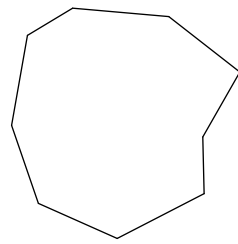
56)



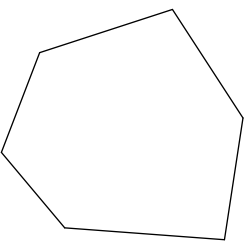
57)



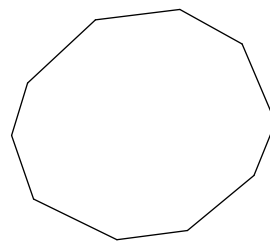
58)



59)

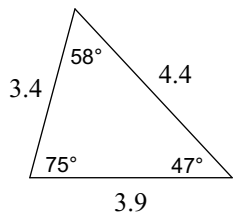


60)

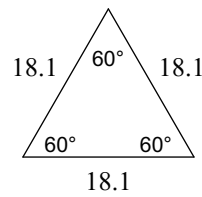


Classify each triangle by its angles and sides.

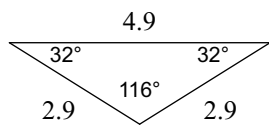
61)



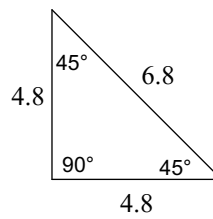
62)



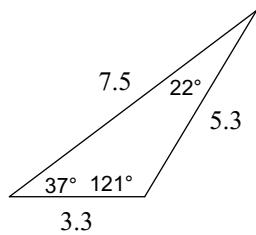
63)



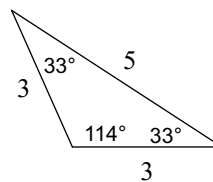
64)



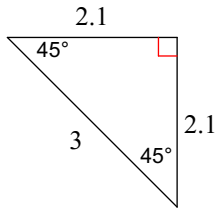
65)



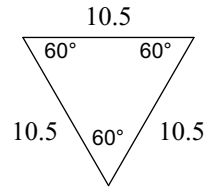
66)



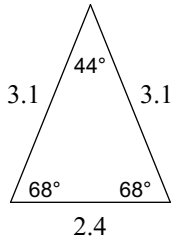
67)



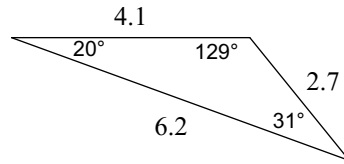
68)



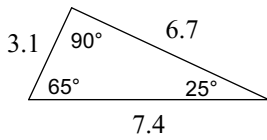
69)



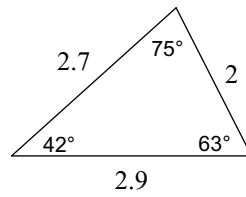
70)



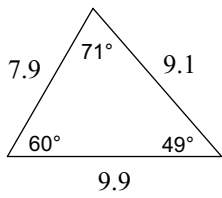
71)



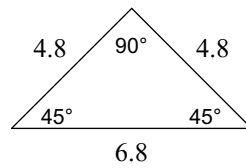
72)



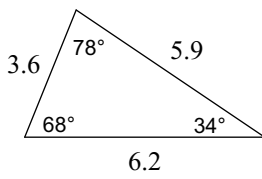
73)



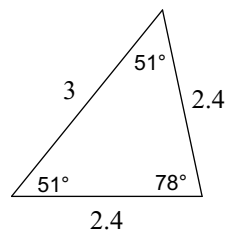
74)



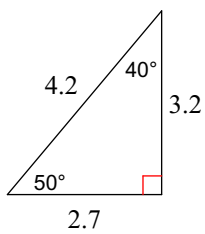
75)



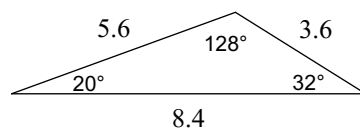
76)



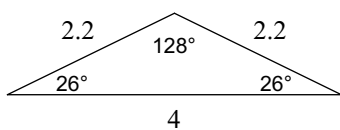
77)



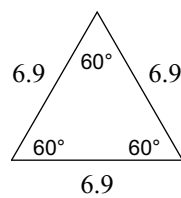
78)



79)

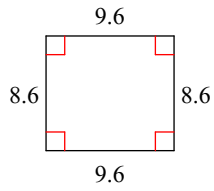


80)

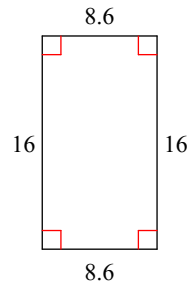


State the most specific name for each figure.

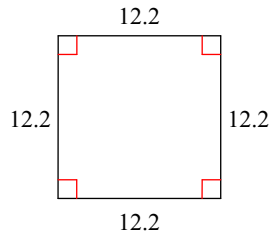
81)



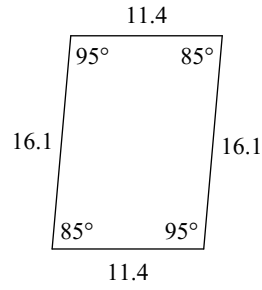
82)



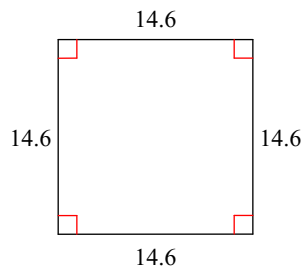
83)



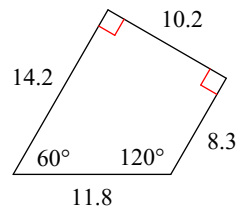
84)



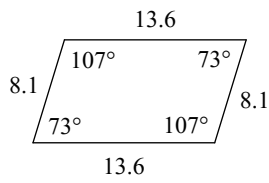
85)



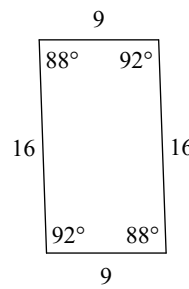
86)



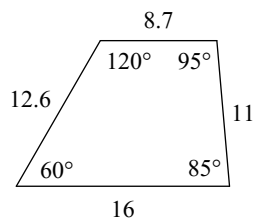
87)



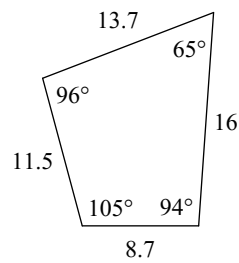
88)



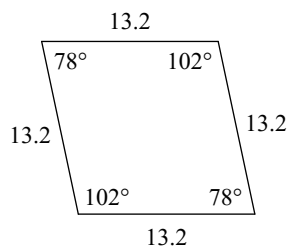
89)



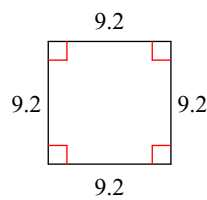
90)



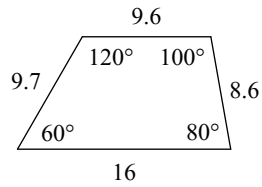
91)



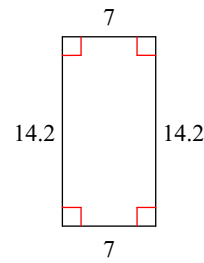
92)



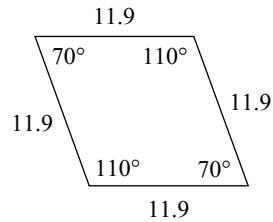
93)



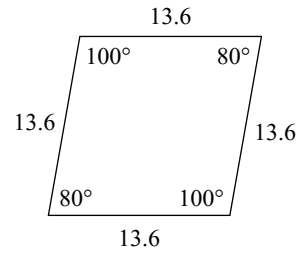
94)



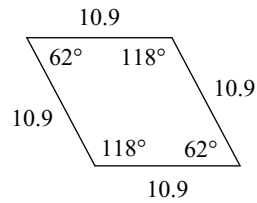
95)



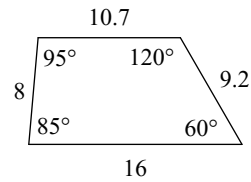
96)



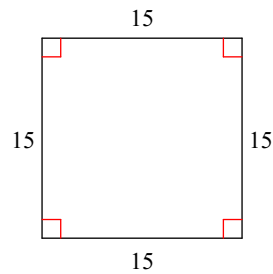
97)



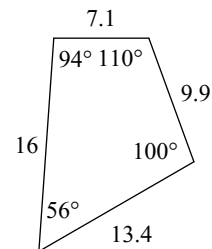
98)



99)



100)



Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.

101) regular quadrilateral

102) regular 15-gon

103) regular 23-gon

104) regular 13-gon

105) regular heptagon

106) regular 21-gon

107) regular 18-gon

108) regular hexagon

109) regular 22-gon

110) regular 24-gon

111) regular 17-gon

112) regular 20-gon

113) regular 19-gon

114) regular 11-gon

115) regular 25-gon

116) regular 16-gon

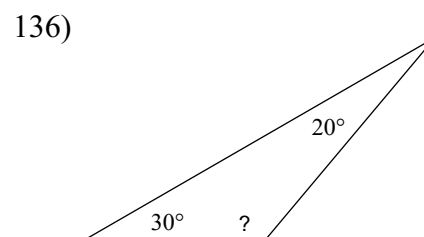
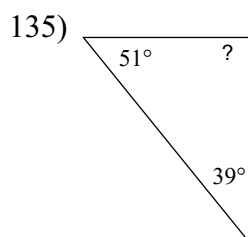
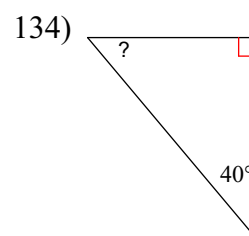
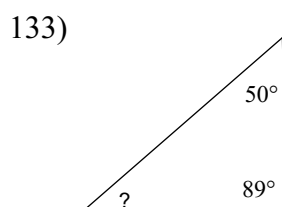
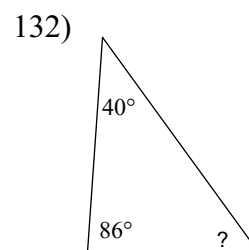
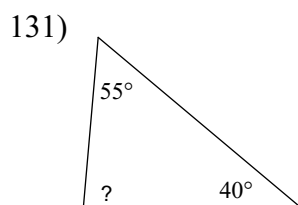
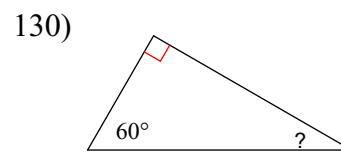
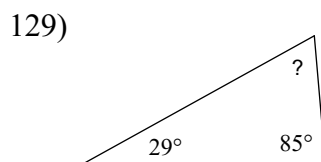
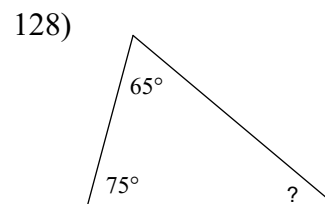
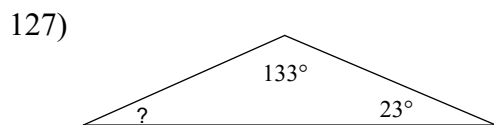
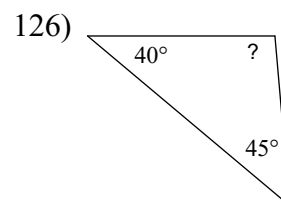
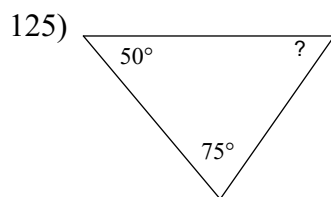
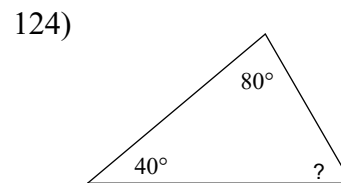
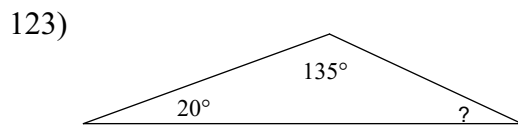
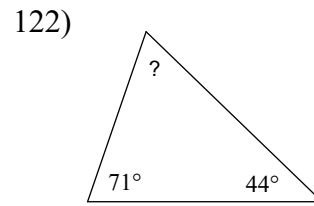
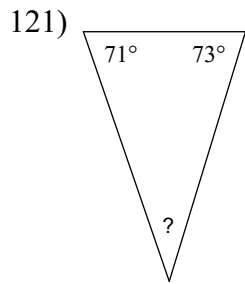
117) regular decagon

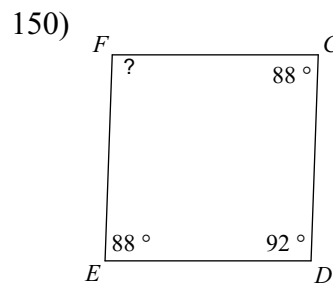
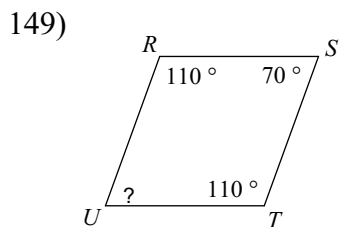
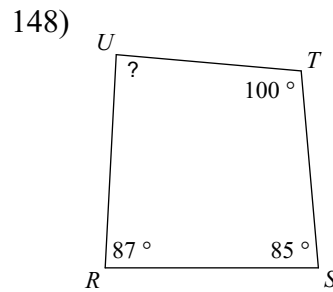
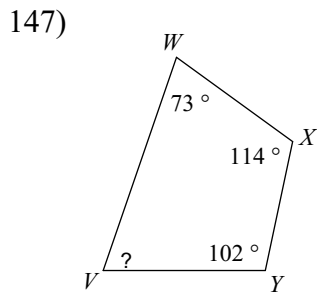
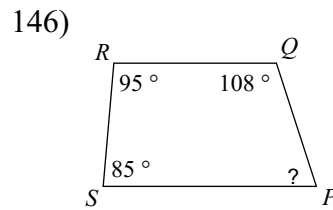
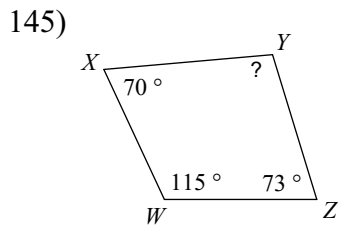
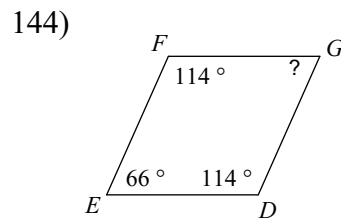
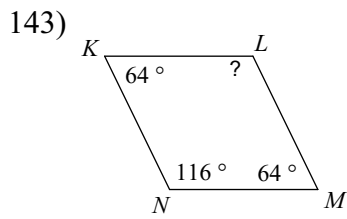
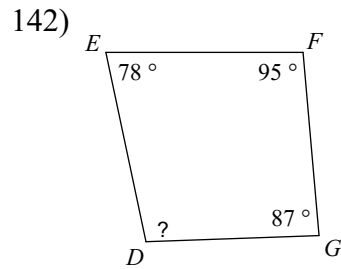
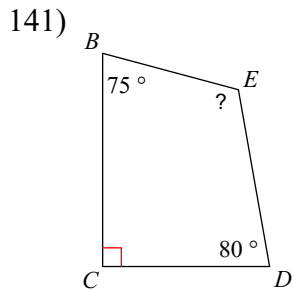
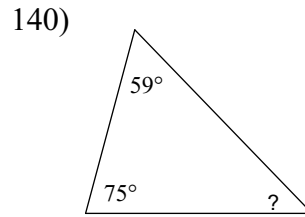
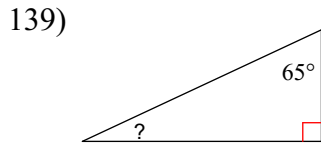
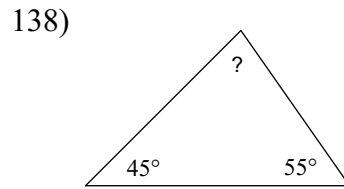
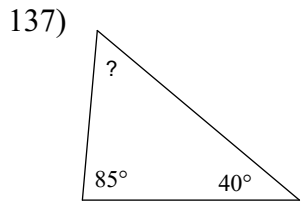
118) regular 14-gon

119) regular pentagon

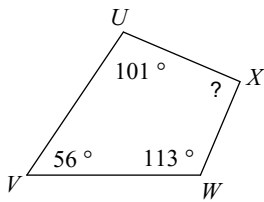
120) regular octagon

Find the measure of each angle indicated.

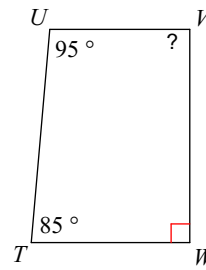




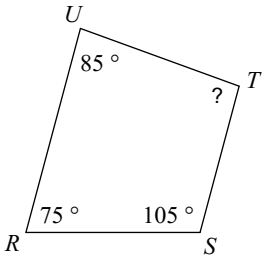
151)



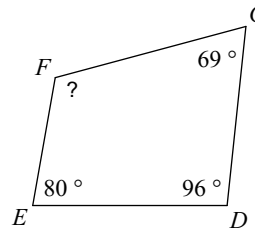
152)



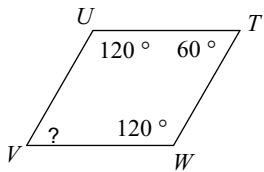
153)



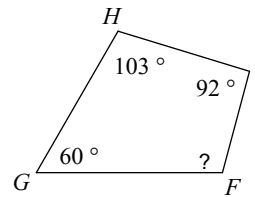
154)



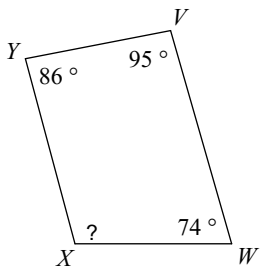
155)



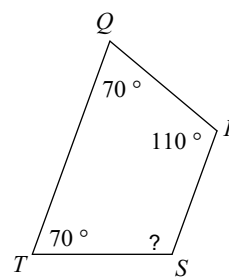
156)



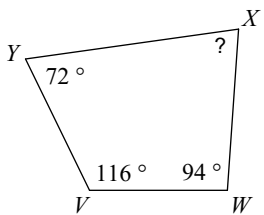
157)



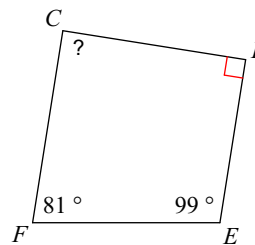
158)



159)

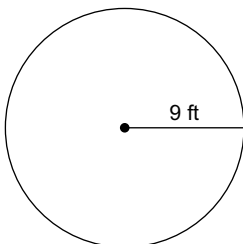


160)

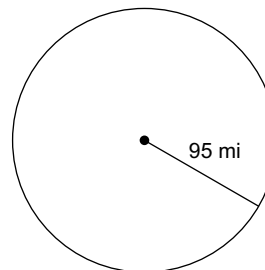


Find the circumference of each circle. Use π in your answer.

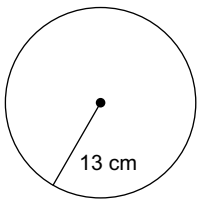
161)



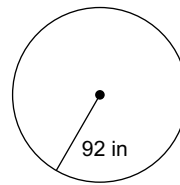
162)



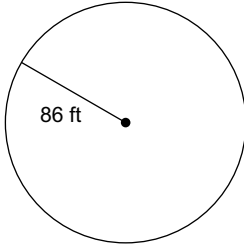
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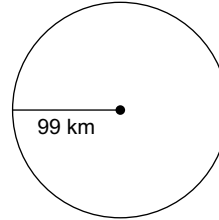
164)



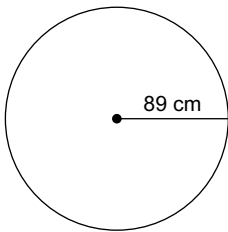
165)



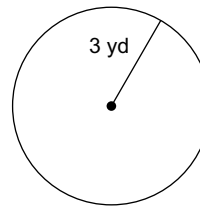
166)



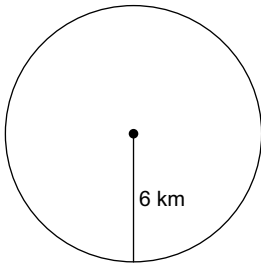
167)



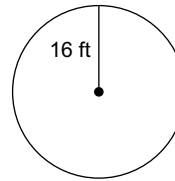
168)



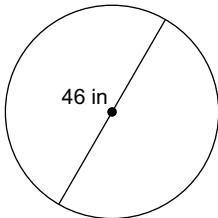
169)



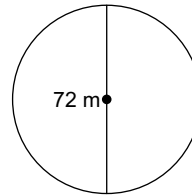
170)



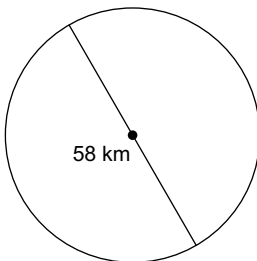
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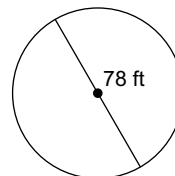
172)



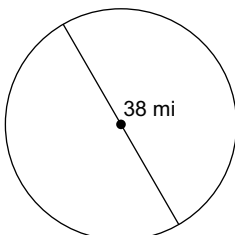
173)



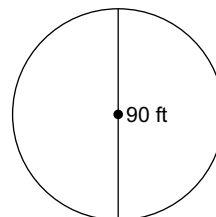
174)



175)



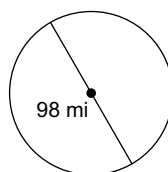
176)



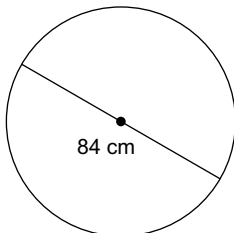
177)



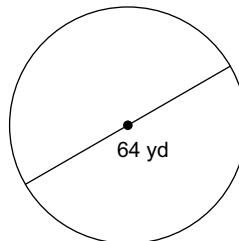
178)



179)

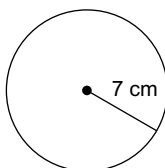


180)

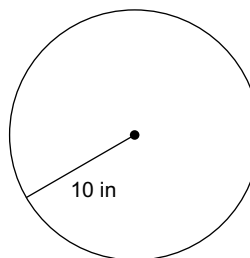


Find the area of each. Use π in your answer.

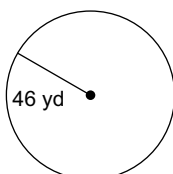
181)



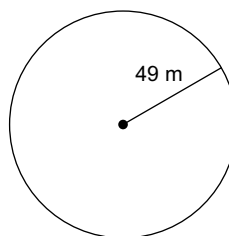
182)



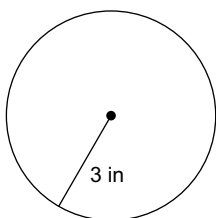
183)



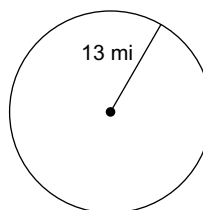
184)



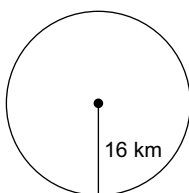
185)



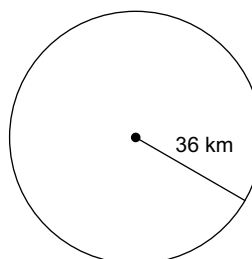
186)



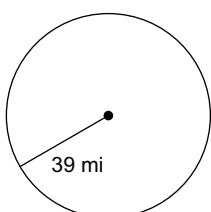
187)



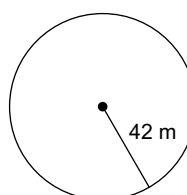
188)



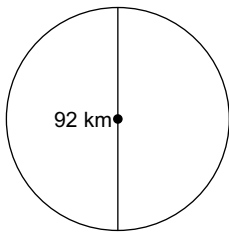
189)



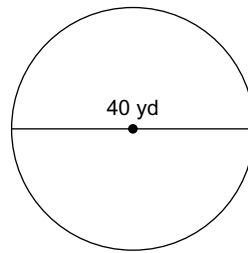
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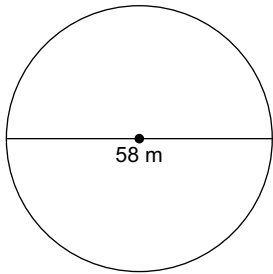
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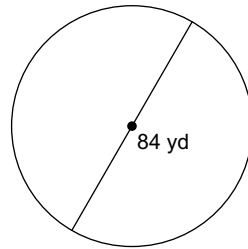
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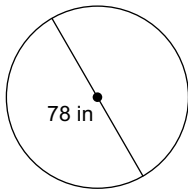
193)



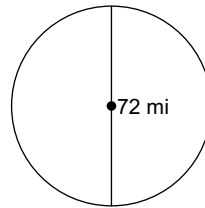
194)



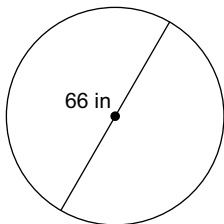
195)



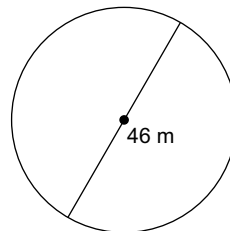
196)



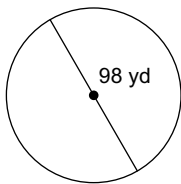
197)



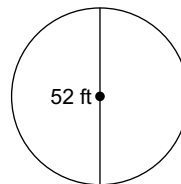
198)



199)



200)



Sketch the net of each solid.

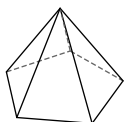
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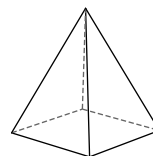
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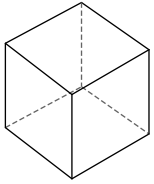
203)



204)



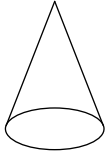
205)



206)



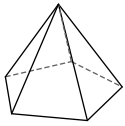
207)



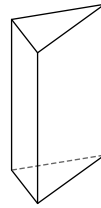
208)



209)



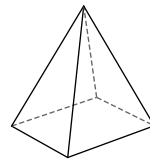
210)



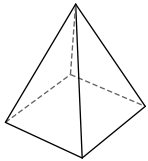
211)



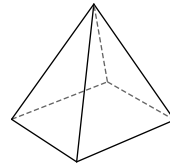
212)



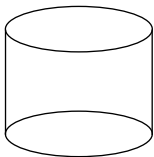
213)



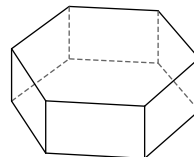
214)



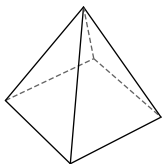
215)



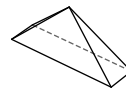
216)



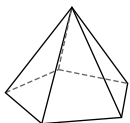
217)



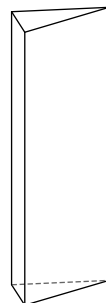
218)



219)



220)

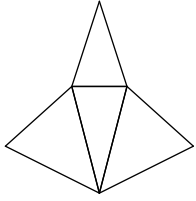


Answers to Study Guide Test 7 Geometry

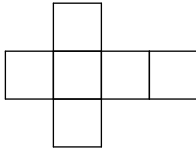
- | | | | |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 1) 162° | 2) 126° | 3) 148° | 4) 122° |
| 5) 175° | 6) 158° | 7) 155° | 8) 139° |
| 9) 15° | 10) 171° | 11) 129° | 12) 145° |
| 13) 119° | 14) 135° | 15) 142° | 16) 178° |
| 17) 168° | 18) 165° | 19) 132° | 20) 152° |
| 21) linear pair | 22) complementary | 23) adjacent | 24) vertical |
| 25) vertical | 26) linear pair | 27) complementary | 28) complementary |
| 29) adjacent | 30) complementary | 31) adjacent | 32) complementary |
| 33) complementary | 34) vertical | 35) linear pair | 36) complementary |
| 37) linear pair | 38) adjacent | 39) vertical | 40) linear pair |
| 41) hexagon | 42) hexagon | 43) nonagon | 44) octagon |
| 45) nonagon | 46) decagon | 47) hexagon | 48) heptagon |
| 49) heptagon | 50) decagon | 51) decagon | 52) hexagon |
| 53) hexagon | 54) nonagon | 55) nonagon | 56) quadrilateral |
| 57) hexagon | 58) nonagon | 59) hexagon | 60) decagon |
| 61) acute scalene | 62) equilateral | 63) obtuse isosceles | 64) right isosceles |
| 65) obtuse scalene | 66) obtuse isosceles | 67) right isosceles | 68) equilateral |
| 69) acute isosceles | 70) obtuse scalene | 71) right scalene | 72) acute scalene |
| 73) acute scalene | 74) right isosceles | 75) acute scalene | 76) acute isosceles |
| 77) right scalene | 78) obtuse scalene | 79) obtuse isosceles | 80) equilateral |
| 81) rectangle | 82) parallelogram | 83) square | 84) parallelogram |
| 85) square | 86) trapezoid | 87) parallelogram | 88) parallelogram |
| 89) trapezoid | 90) quadrilateral | 91) rhombus | 92) square |
| 93) trapezoid | 94) rectangle | 95) rhombus | 96) rhombus |
| 97) rhombus | 98) trapezoid | 99) square | 100) quadrilateral |
| 101) 360° | 102) 2340° | 103) 3780° | 104) 1980° |
| 105) 900° | 106) 3420° | 107) 2880° | 108) 720° |
| 109) 3600° | 110) 3960° | 111) 2700° | 112) 3240° |
| 113) 3060° | 114) 1620° | 115) 4140° | 116) 2520° |
| 117) 1440° | 118) 2160° | 119) 540° | 120) 1080° |
| 121) 36° | 122) 65° | 123) 25° | 124) 60° |
| 125) 55° | 126) 95° | 127) 24° | 128) 40° |
| 129) 66° | 130) 30° | 131) 85° | 132) 54° |
| 133) 41° | 134) 50° | 135) 90° | 136) 130° |
| 137) 55° | 138) 80° | 139) 25° | 140) 46° |
| 141) 115° | 142) 100° | 143) 116° | 144) 66° |
| 145) 102° | 146) 72° | 147) 71° | 148) 88° |
| 149) 70° | 150) 92° | 151) 90° | 152) 90° |
| 153) 95° | 154) 115° | 155) 60° | 156) 105° |
| 157) 105° | 158) 110° | 159) 78° | 160) 90° |
| 161) 18π ft | 162) 190π mi | 163) 26π cm | 164) 184π in |
| 165) 172π ft | 166) 198π km | 167) 178π cm | 168) 6π yd |
| 169) 12π km | 170) 32π ft | 171) 46π in | 172) 72π m |
| 173) 58π km | 174) 78π ft | 175) 38π mi | 176) 90π ft |
| 177) 52π mi | 178) 98π mi | 179) 84π cm | 180) 64π yd |
| 181) 49π cm ² | 182) 100π in ² | 183) 2116π yd ² | 184) 2401π m ² |
| 185) 9π in ² | 186) 169π mi ² | 187) 256π km ² | 188) 1296π km ² |
| 189) 1521π mi ² | 190) 1764π m ² | 191) 2116π km ² | 192) 400π yd ² |
| 193) 841π m ² | 194) 1764π yd ² | 195) 1521π in ² | 196) 1296π mi ² |

197) $1089\pi \text{ in}^2$

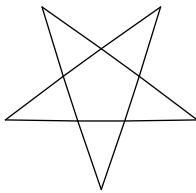
201)



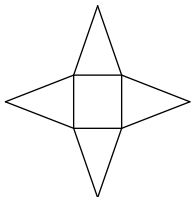
205)



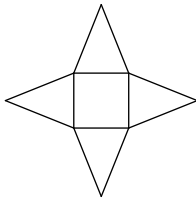
209)



213)

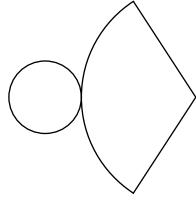


217)

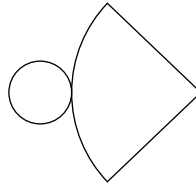


198) $529\pi \text{ m}^2$

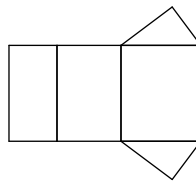
202)



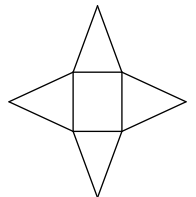
206)



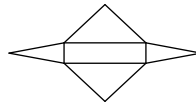
210)



214)

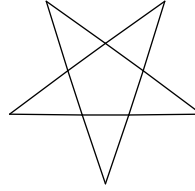


218)

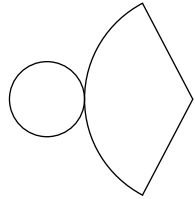


199) $2401\pi \text{ yd}^2$

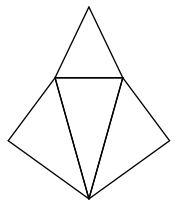
203)



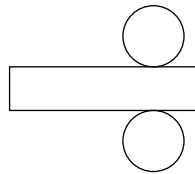
207)



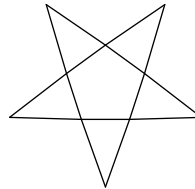
211)



215)

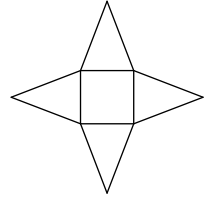


219)

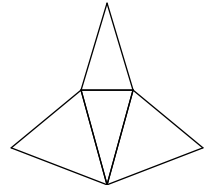


200) $676\pi \text{ ft}^2$

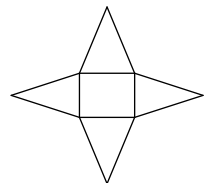
204)



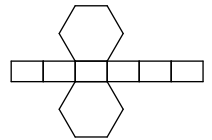
208)



212)



216)



220)

