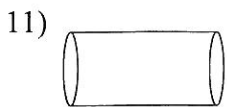
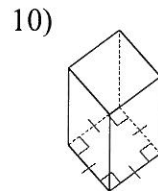
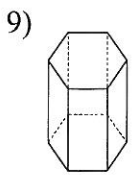
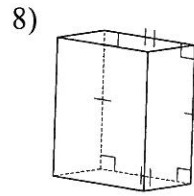
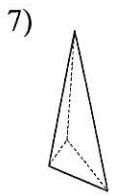
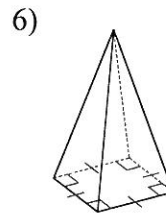
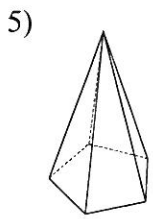
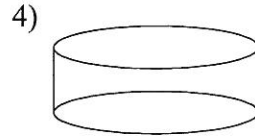
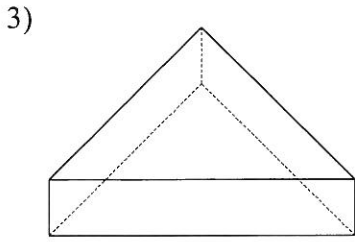
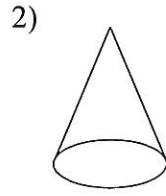
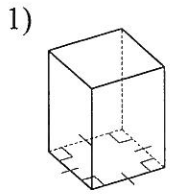
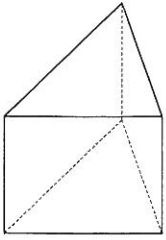


Study Guide Quest Volume of 3D Figures

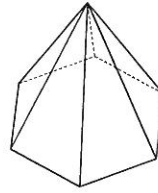
Name each figure.



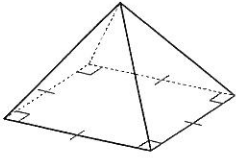
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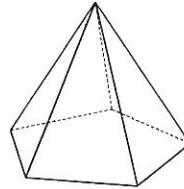
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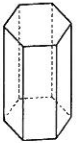
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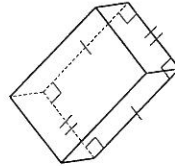
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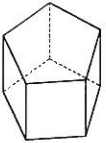
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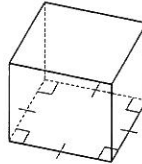
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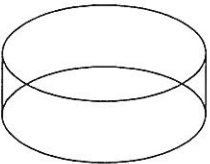
18)



19)



20)



Draw the 3D figure described.

21) a cube 5 units on each side

22) a triangular prism 4 units high

23) a rectangular prism 5 units high, with base 3 units by 2 units

24) a trapezoidal prism with parallel faces that are 2 units by 2 units and 5 units by 3 units

25) a cube 2 units on each side

26) a cube 6 units on each side

27) a triangular prism 7 units high

28) a triangular prism 2 units high

29) a rectangular prism 3 units high, with base 6 units by 3 units

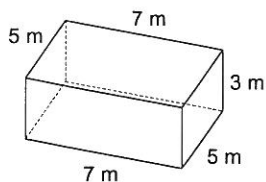
30) a rectangular prism 6 units high, with base 5 units by 2 units

31) a trapezoidal prism with parallel faces that are 3 units by 2 units and 3 units by 3 units

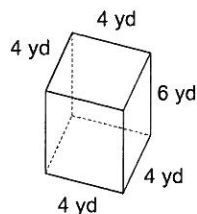
32) a trapezoidal prism with parallel faces that are 4 units by 2 units and 5 units by 5 units

Find the volume of each figure.

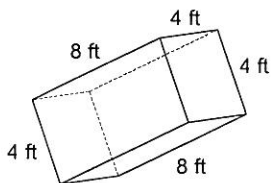
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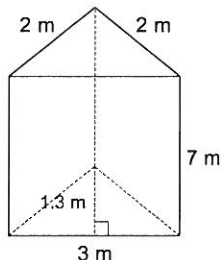
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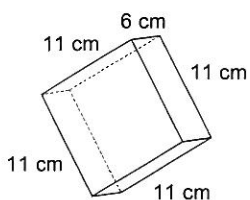
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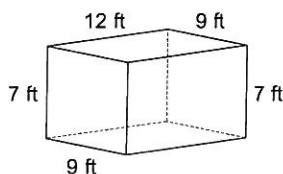
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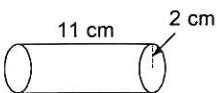
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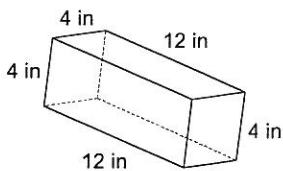
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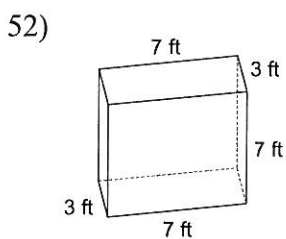
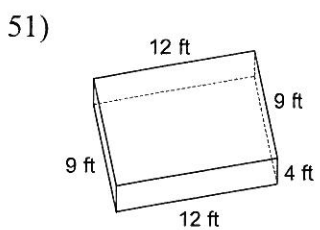
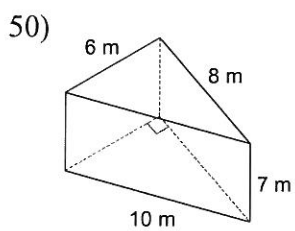
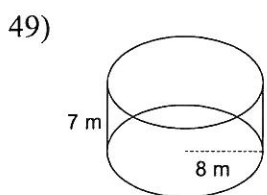
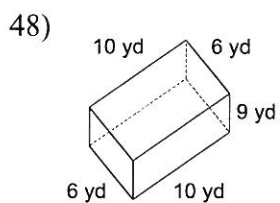
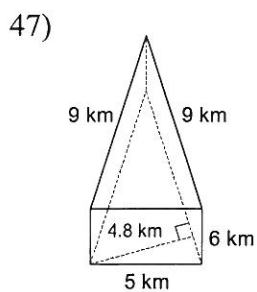
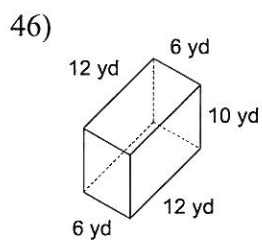
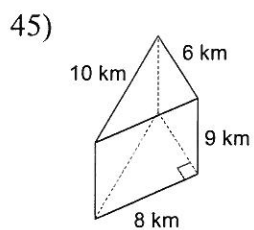
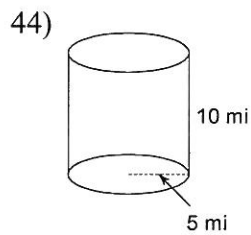
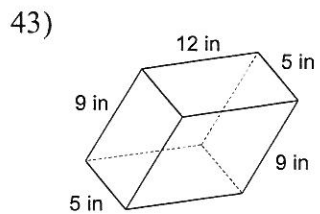
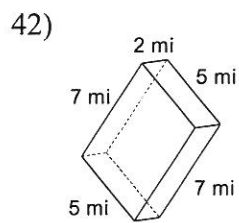
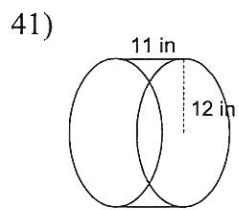


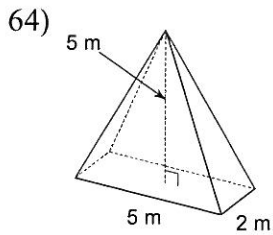
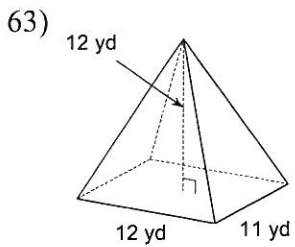
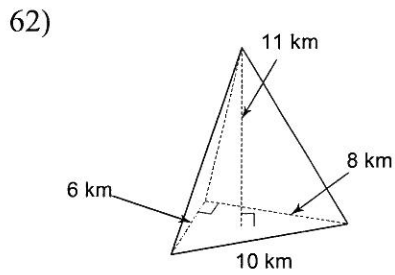
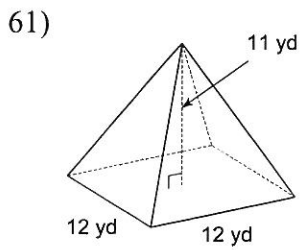
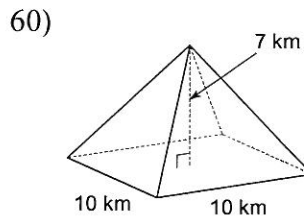
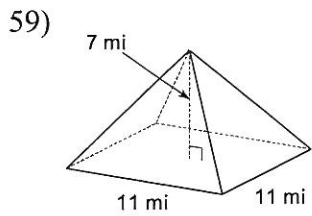
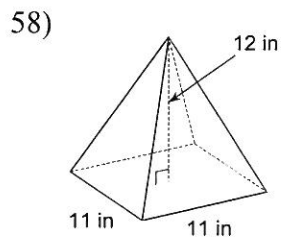
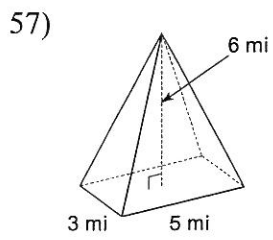
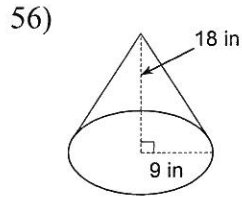
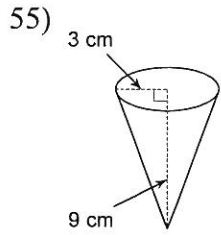
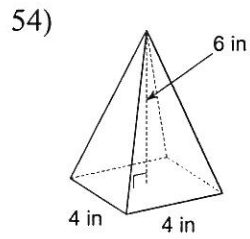
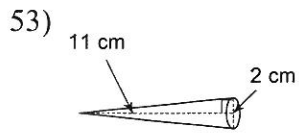
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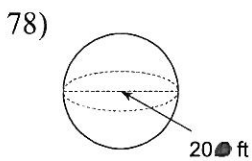
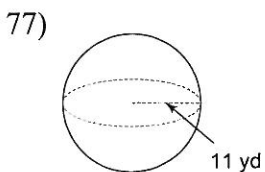
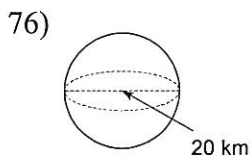
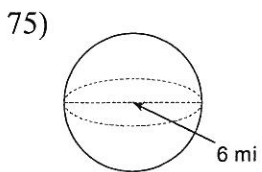
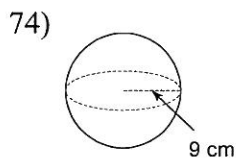
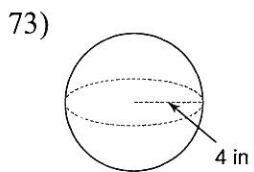
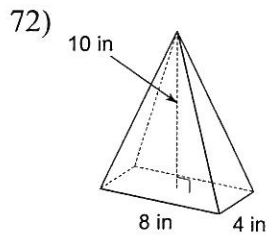
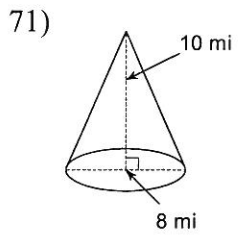
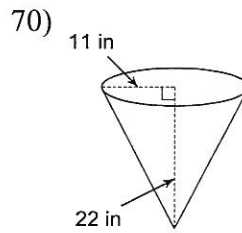
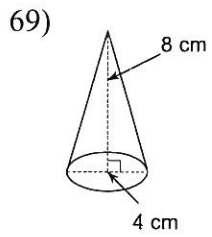
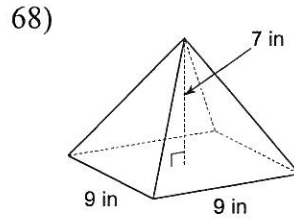
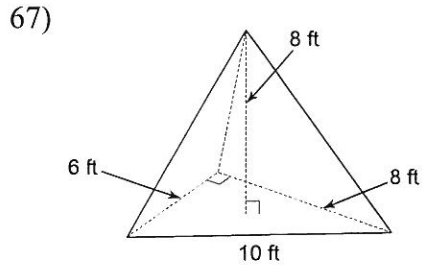
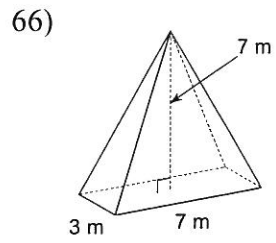
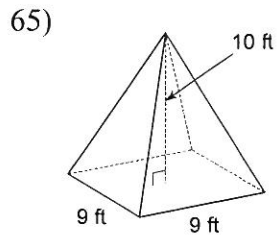


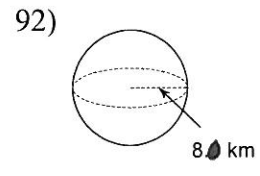
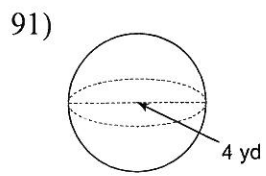
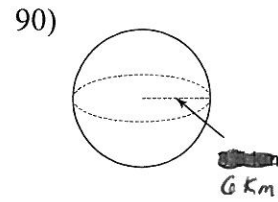
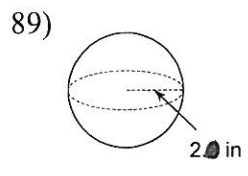
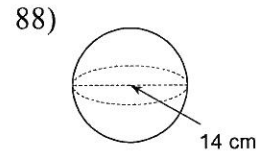
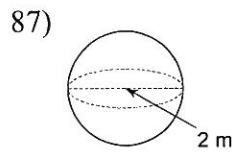
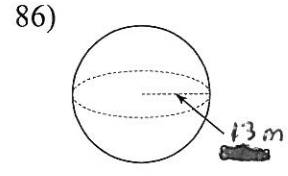
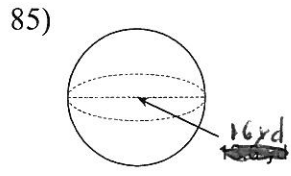
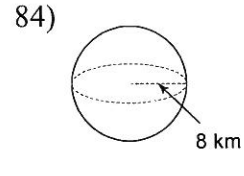
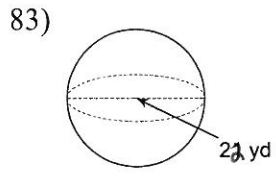
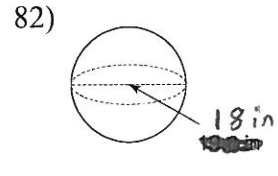
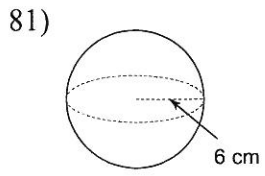
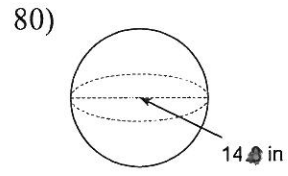
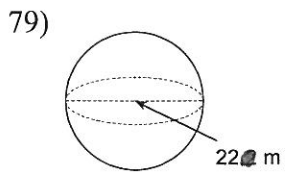
40)











Answers to Study Guide Quest Volume of 3D Figures

- | | | | |
|---|---|---|---|
| 1) square prism | 2) cone | 3) triangular prism | 4) cylinder |
| 5) pentagonal pyramid | 6) square pyramid | 7) triangular pyramid | 8) rectangular prism |
| 9) hexagonal prism | 10) square prism | 11) cylinder | 12) triangular prism |
| 13) hexagonal pyramid | 14) square pyramid | 15) pentagonal pyramid | 16) hexagonal prism |
| 17) rectangular prism | 18) pentagonal prism | 19) square prism | 20) cylinder |
| 21) 0 | 22) 0 | 23) 0 | 24) 0 |
| 25) 0 | 26) 0 | 27) 0 | 28) 0 |
| 29) 0 | 30) 0 | 31) 0 | 32) 0 |
| 33) 105 m^3 | 34) 96 yd^3 | 35) 128 ft^3 | 36) 13.65 13.65 m^3 |
| 37) 726 cm^3 | 38) 756 ft^3 | 39) 138.16 138.16 cm^3 | 40) 192 in^3 |
| 41) 4973.76 4973.76 in^3 | 42) 70 mi^3 | 43) 540 in^3 | 44) 785 mi^3 |
| 45) 216 km^3 | 46) 720 yd^3 | 47) 129.6 km^3 | 48) 540 yd^3 |
| 49) 1406.72 1406.72 m^3 | 50) 168 m^3 | 51) 432 ft^3 | 52) 147 ft^3 |
| 53) 11.513 11.513 cm^3 | 54) 32 in^3 | 55) 84.78 84.78 cm^3 | 56) 1526.04 1526.04 in^3 |
| 57) 30 mi^3 | 58) 484 in^3 | 59) 282.3 mi^3 | 60) 233.3 km^3 |
| 61) 528 yd^3 | 62) 88 km^3 | 63) 528 yd^3 | 64) 16.6 m^3 |
| 65) 270 ft^3 | 66) 49 m^3 | 67) 64 ft^3 | 68) 189 in^3 |
| 69) 33.493 33.493 cm^3 | 70) 2786.226 2786.226 in^3 | 71) 167.46 167.46 mi^3 | 72) 106.6 in^3 |
| 73) 267.946 267.946 in^3 | 74) 3052.08 3052.08 cm^3 | 75) 113.04 113.04 mi^3 | 76) 4186.6 4186.6 km^3 |
| 77) 5572.453 5572.453 yd^3 | 78) 4186.64 4186.64 ft^3 | 79) 5572.453 5572.453 yd^3 | 80) 1436.026 1436.026 in^3 |
| 81) 904.32 904.32 cm^3 | 82) 3052.08 3052.08 cm^3 | 83) 5572.453 5572.453 yd^3 | 84) 2143.573 2143.573 km^3 |
| 85) 2143.573 2143.573 yd^3 | 86) 9198.106 9198.106 m^3 | 87) 4.186 4.186 m^3 | 88) 1436.026 1436.026 cm^3 |
| 89) 33.493 33.493 in^3 | 90) 904.32 904.32 km^3 | 91) 33.493 33.493 in^3 | 92) 2143.573 2143.573 km^3 |

