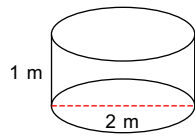


8.G.9 Volume of cylinders, cones, and spheres

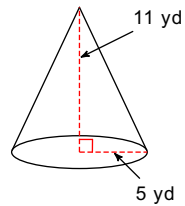
Date _____ Period _____

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

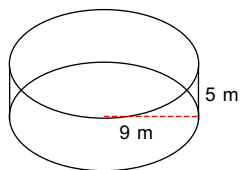
1)



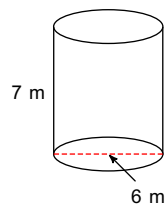
2)



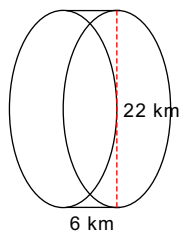
3)



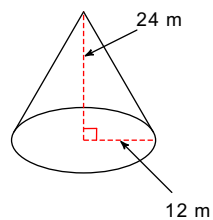
4)



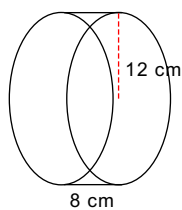
5)



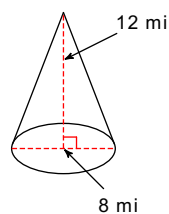
6)



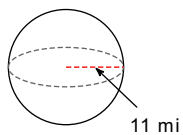
7)



8)



9)



10) A cylinder with a diameter of 12 in and a height of 4 in.

11) A cone with diameter 6 in and a height of 7 in.

12) A cone with radius 7 mi and a height of 14 mi.

13) A cone with radius 8 cm and a height of 16 cm.

14) A cylinder with a radius of 12 m and a height of 12 m.

15) A cone with diameter 10 km and a height of 11 km.

16) A cylinder with a diameter of 18 cm and a height of 7 cm.

17) A cylinder with a radius of 12 yd and a height of 11 yd.

18) A sphere with a diameter of 24 mi.

Answers to 8.G.9 Volume of cylinders, cones, and spheres (ID: 1)

- | | | | |
|----------------------------|----------------------------|---------------------------|----------------------------|
| 1) 3.14 m^3 | 2) 287.98 yd^3 | 3) 1272.35 m^3 | 4) 197.92 m^3 |
| 5) 2280.8 km^3 | 6) 3619.11 m^3 | 7) 3619.11 cm^3 | 8) 201.06 mi^3 |
| 9) 5575.28 mi^3 | 10) 452.39 in^3 | 11) 65.97 in^3 | 12) 718.38 mi^3 |
| 13) 1072.33 cm^3 | 14) 5428.67 m^3 | 15) 287.98 km^3 | 16) 1781.28 cm^3 |
| 17) 4976.28 yd^3 | 18) 7238.23 mi^3 | | |