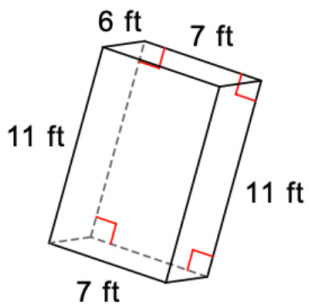


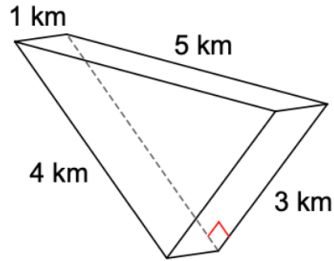
Volumes of Solids Practice

Find the volume of each of the prisms below. Use 3.14 for π . Round all final answers to the nearest hundredth.

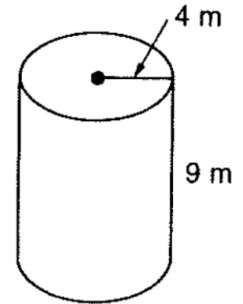
1.



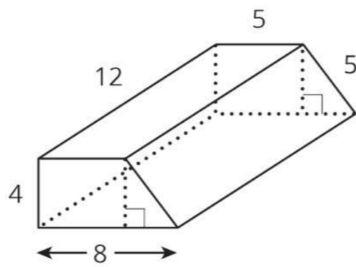
2.



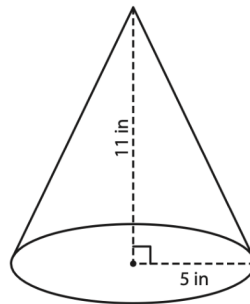
3.



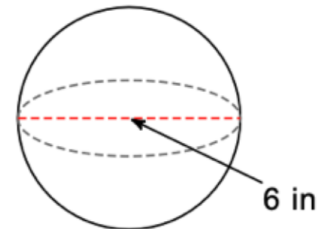
4.



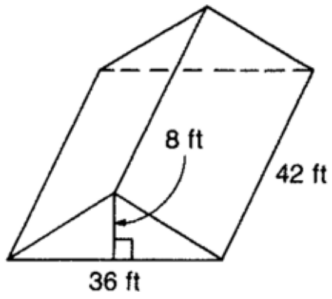
5.



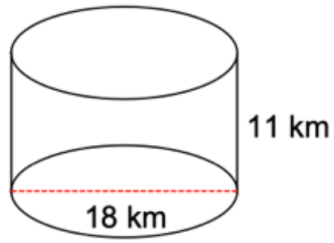
6.



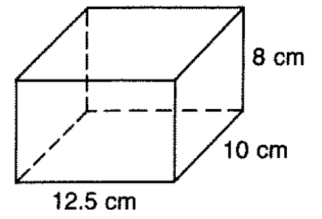
7.



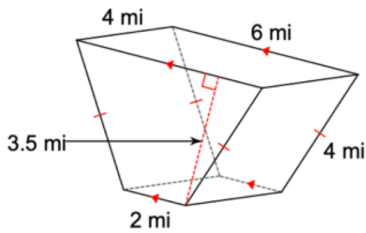
8.



9.



10.



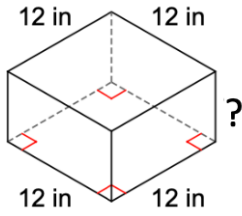
11. A hexagonal prism has a height of 6 inches and the area of the base is 15 square inches. What is the volume of the hexagonal prism?

12. A cone has a diameter of 2.4 mm and a height of 6.5 mm. What is the volume of the cone?

The volumes for the following solids are listed, find the missing measurements.

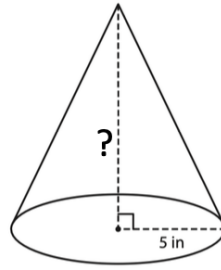
13.

Volume = 1008 in^3



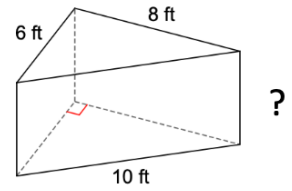
14.

Volume = 392.5 in^3



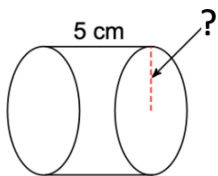
15.

Volume = 120 ft^3



16.

Volume = 141 cm^3



17. An octagonal prism has a volume of 1038 mm^3 . If the height is 12 mm, what is the area of the base?

18. A cylinder that is 11 meters high, holds a volume of 4976.28 m^3 . What is the diameter of the cylinder?