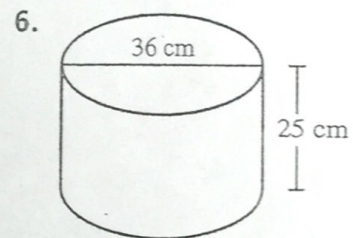
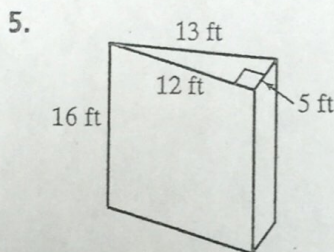
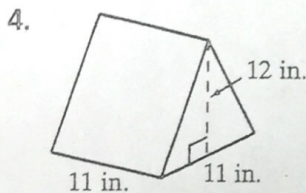
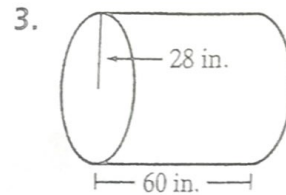
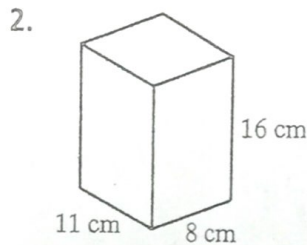
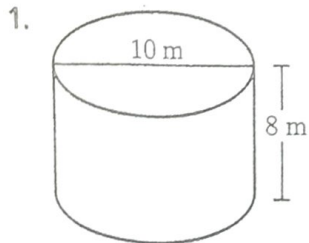


Practice 10-7 Volume: Prisms and Cylinders

Find the volume of each prism or cylinder to the nearest cubic unit.

Practice



7. prism
rectangular base:
8 in. by 6 in.
height: 7 in.

8. cylinder
radius: 14 in.
height: 18 in.

9. cylinder
radius: 5 cm
height: 11.2 cm

10. prism
square base:
3.5 ft on a side
height: 6 ft

11. cube
sides: 13 m

12. cylinder
diameter: 5 ft
height: 9 ft

13. A water storage tank has a cylindrical shape. The base has a diameter of 18 m and the tank is 32 m high. How much water, to the nearest cubic unit, can the tank hold?

14. A tent in the shape of a triangular prism has a square base with a side of 8 feet and a height of 6 feet. What is the volume of the tent?