Name _____ Class _____ Date _____

Practice 10-7

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

1.

10 m

8 m

_____

2.

16 cm

11 cm   8 cm

_____

3.

28 in.

60 in.

_____

4.

12 in.

11 in.   11 in.

_____

5.

13 ft

12 ft   5 ft

16 ft

_____

6.

36 cm

25 cm

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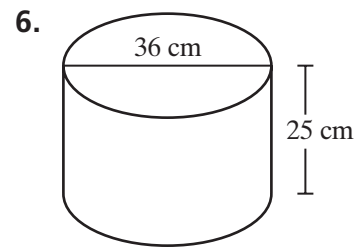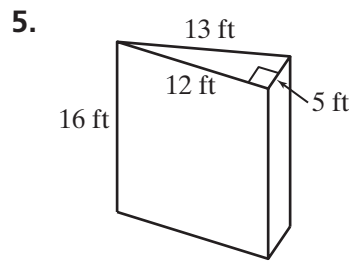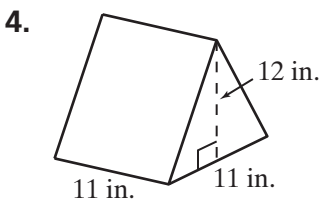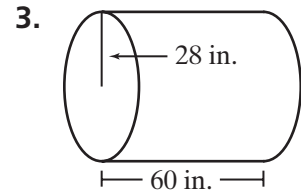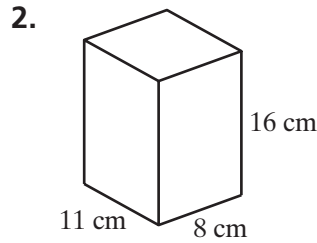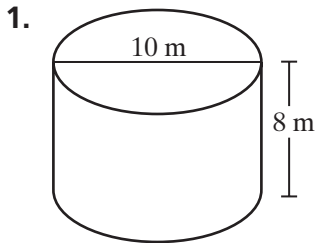
7. prism
rectangular base:
8 in. by 6 in.
height: 7 in.

_____

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?

_____