Practice 9-2

Volumes of Prisms and Cylinders

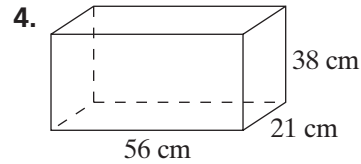**Find the volume of each solid to the nearest whole number.**

1.

8 cm
7 cm
24 cm

_____

2. 20 yd

24 yd   12 yd

_____

3.

43 mm
43 mm
43 mm

_____

4.

38 cm
21 cm
56 cm

_____

5.   28 in.

26 in.

_____

6.   2 ft

10 ft

_____
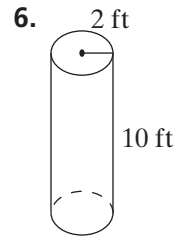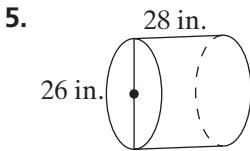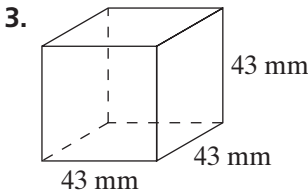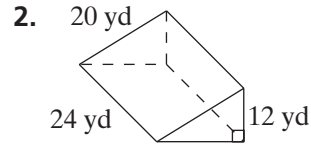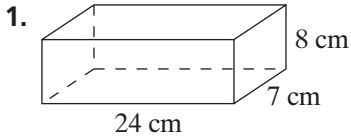
7. Suppose you want to buy concrete for a 36 ft by 24 ft by 9 in. patio. If concrete costs $55/yd³, how much will the concrete for the patio cost?

_____

8. A cylinder has a volume of about 500 cm³ and a height of 10 cm. What is the length of the radius to the nearest tenth of a cm?

_____