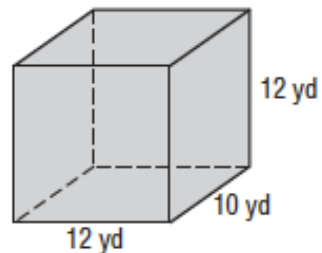
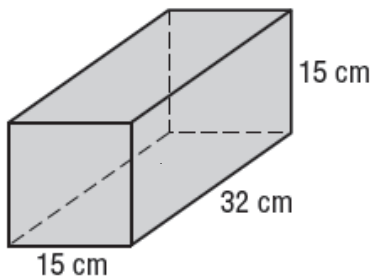


## Independent Practice

Find the volume of the prisms below



$$V = B h$$

$$V = ( \quad ) ( \quad )$$

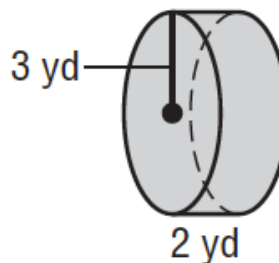
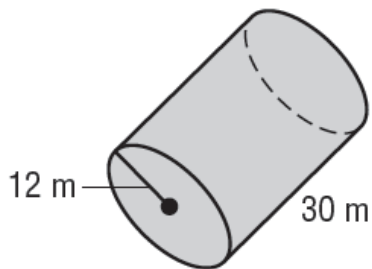
area of the base

height of the prism

$$V = \underline{7200 \text{ cm}^3}$$

$$V = \underline{1440 \text{ yd}^3}$$

Find the volume of the cylinders below. State your answer in terms of  $\pi$  as a decimal to the nearest hundredth.



$$V = B h$$

$$V = ( \quad ) ( \quad )$$

$$V = \underline{4320\pi \text{ m}^3} \quad V = \underline{13571.68 \text{ m}^3}$$

In terms of  $\pi$

Decimal (nearest hundredth)

$$V = \underline{18\pi \text{ yd}^3} \quad V = \underline{56.55 \text{ yd}^3}$$

In terms of  $\pi$

Decimal (nearest hundredth)

Get It. GET IT GOOD. And please please please show all your work

The volume of a cylindrical can is  $32\pi$  cubic inches. If the height of the can is 2 inches, what is its radius, in inches?

$$r = 4$$

The volume of a rectangular prism is 144 cubic inches. The height of the prism is 8 inches. Which measurements, in inches, could be the dimensions of the base?

- 1) 3.3 by 5.5
- 2) 2.5 by 7.2
- 3) 12 by 8
- 4) 9 by 9

A rectangular prism has a base with a length of 25, a width of 9, and a height of 12. A second prism has a square base with a side of 15. If the volumes of the two prisms are equal, what is the height of the second prism?

$$h = 12$$