Geometry
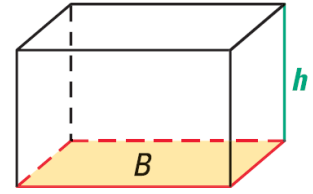
12.4 Volume of Prisms and Cylinders (12.2)

Volume of a Prism

$$V = _____$$

Where B = base area, h = height of prism

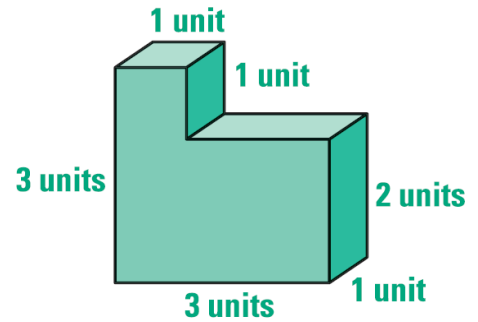**Volume of a Cylinder**

$$V = _____$$

Where r = radius, h = height of cylinder

$B = \pi r^2$
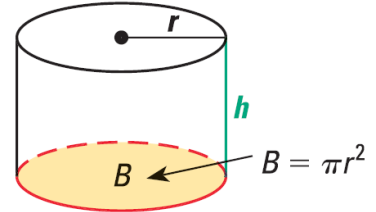
Find the volume of the figure.

1 unit
1 unit
3 units
2 units
3 units
1 unit
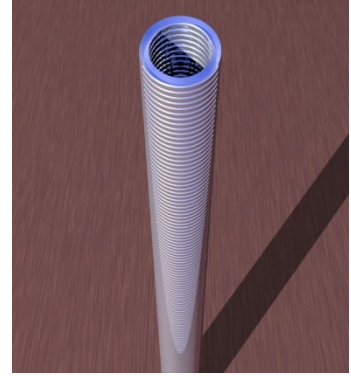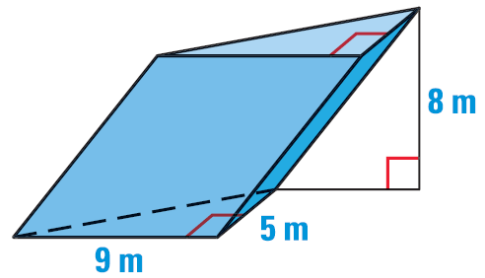
Find the volume.

3 ft
6 ft
10 ft
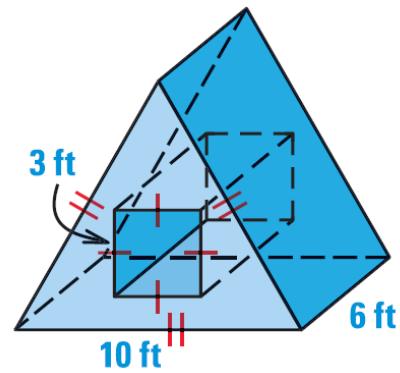
There are 150 one-inch washers in a box. When the washers are stacked, they measure 9 inches in height. If the inside hole of each washer has a diameter of ¾ inch, find the volume of metal in one washer.

Cavalieri's Principle

If two solids have the same _____ and the same _____at every level, then _____.

Find the volume.

8 m

5 m

9 m

Assignment: 632 #2, 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 26, 28, 30, 37, 38, 40, 49, 50 = 20 total