

Name : _____

Score : _____

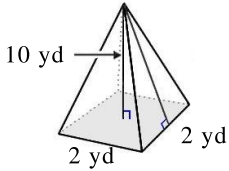
Teacher : _____

Date : _____

Volume of Prisms and Pyramids

Find the volume of each figure. Round answers to the nearest hundredth, if necessary.

1)

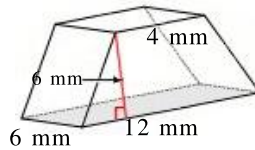


Volume: $\approx 13.33 \text{ yd}^3$

$V = \frac{1}{3} Bh$ (Area of the base)

$V = \frac{1}{3} (2 \text{ yd} \cdot 2 \text{ yd}) \cdot 10 \text{ yd} = \frac{40 \text{ yd}^3}{3}$

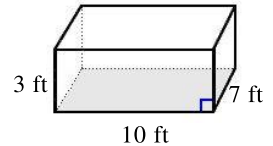
2)



Volume: 288 mm^3

$V = Bh$ (Area of the trapezoid \cdot thickness of the prism)
 $V = \left[\left(\frac{b_1 + b_2}{2} \right) \cdot h \right] \cdot l = \left[\left(\frac{4 + 12}{2} \right) \cdot 6 \right] \cdot 6$
 $V = (48) \cdot 6 = 288 \text{ mm}^3$

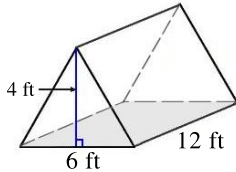
3)



Volume: 210 ft^3

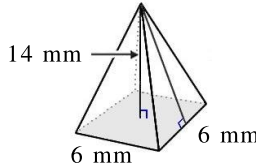
$V = l \cdot w \cdot h$
 $V = 3 \text{ ft} \cdot 10 \text{ ft} \cdot 7 \text{ ft}$
 $V = 210 \text{ ft}^3$

4)



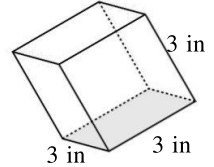
Volume: _____

5)



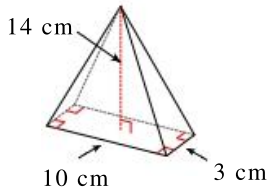
Volume: _____

6)



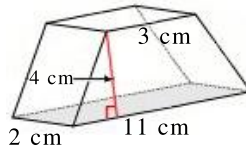
Volume: _____

7)



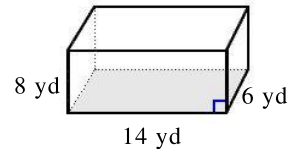
Volume: _____

8)



Volume: _____

9)



Volume: _____



Name : _____

Score : _____

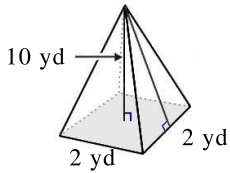
Teacher : _____

Date : _____

Volume of Prisms and Pyramids

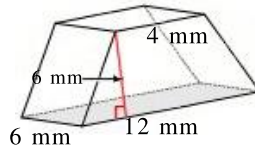
Find the volume of each figure. Round answers to the nearest hundredth, if necessary.

1)



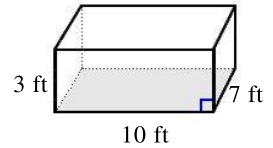
Volume: 13.33 yd³

2)



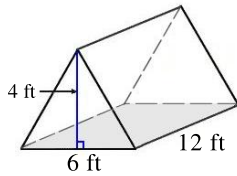
Volume: 288.00 mm³

3)



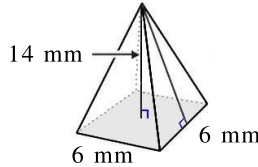
Volume: 210.00 ft³

4)



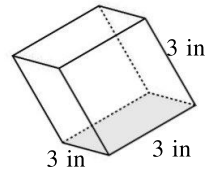
Volume: 144.00 ft³

5)



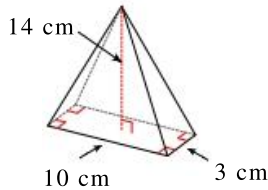
Volume: 168.00 mm³

6)



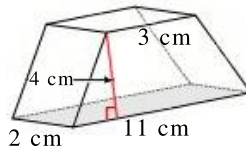
Volume: 27.00 in³

7)



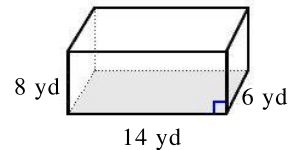
Volume: 140.00 cm³

8)



Volume: 56.00 cm³

9)



Volume: 672.00 yd³

