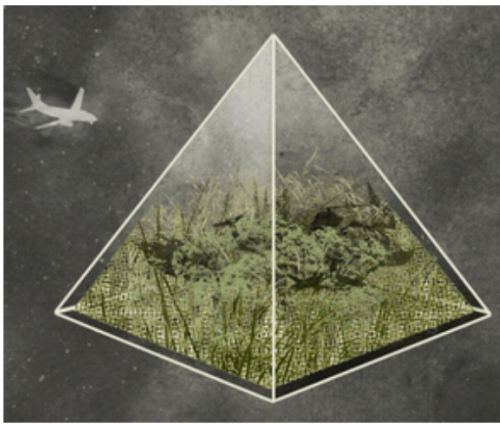


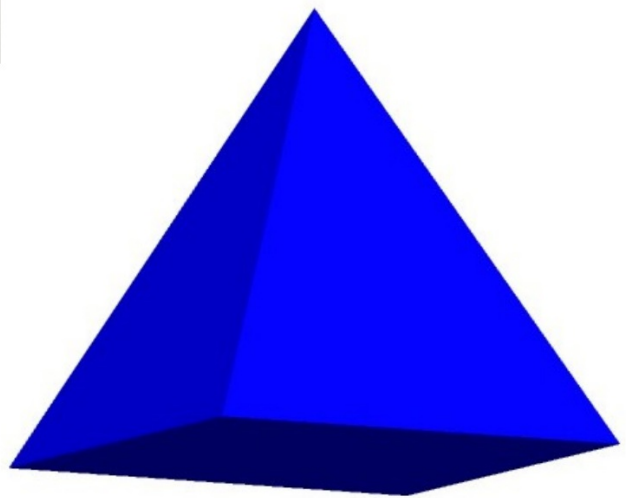
APRIL 23, 2015

HAPPY NEW ONE

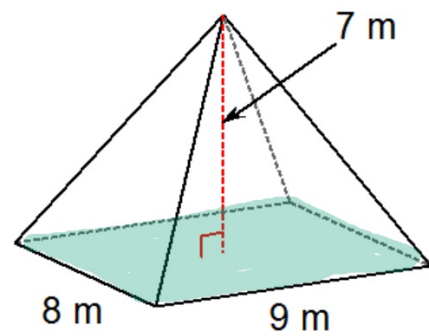
4/23 - Volume of Pyramids



$$V = \frac{1}{3} (\text{Area of the Base}) \cdot H$$
$$= \frac{(\text{Area of Base}) H}{3}$$

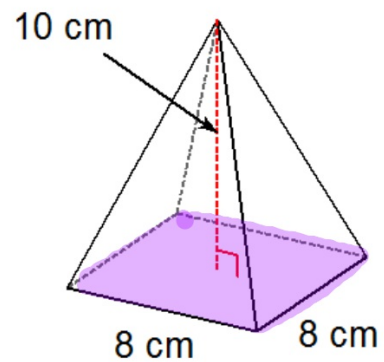


$$\begin{aligned} V &= \frac{1}{3} LWH \\ &= \frac{1}{3} \cdot 8 \cdot \overset{3}{\cancel{9}} \cdot 7 \\ &= 168 \text{ m}^3 \end{aligned}$$

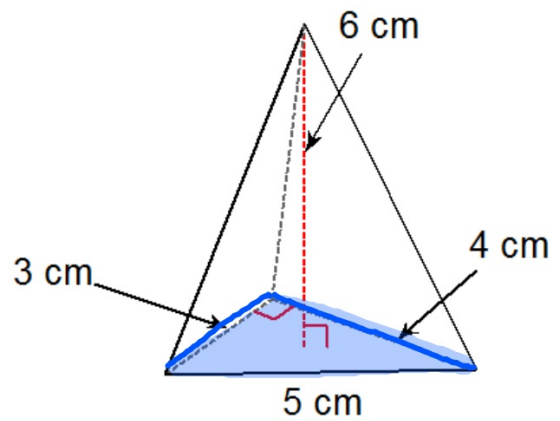


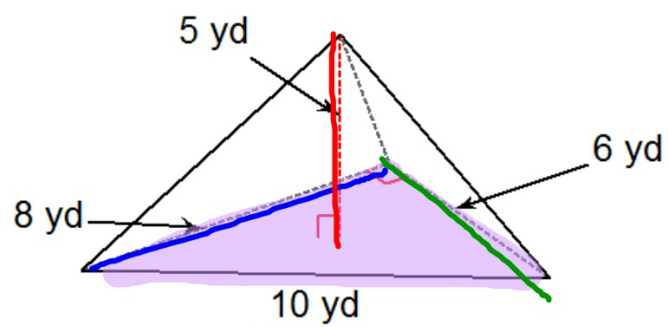
$$\begin{aligned} V &= \frac{1}{3} LWH \\ &= \frac{1}{3} \cdot \underbrace{8 \cdot 8 \cdot 10}_{640} \\ &= 213.3 \text{ cm}^3 \end{aligned}$$

$$640 \div 3 = 213.333333$$



$$\begin{aligned}
 V &= \frac{1}{3} (\text{area of the base}) H \\
 &= \frac{1}{3} \left(\frac{1}{2} bh \right) H \\
 &= \frac{1}{3} \left(\frac{1}{2} \cdot \frac{1}{3} \cdot 4 \right) 6 \\
 &= 12 \text{ cm}^3
 \end{aligned}$$





$$\begin{aligned}
 V &= \frac{1}{3} \left(\frac{1}{2} b h \right) H \\
 &= \frac{1}{3} \left(\frac{1}{2} \cdot \overset{4}{\cancel{8}} \cdot \overset{2}{\cancel{6}} \right) 5 \\
 &= 40 \text{ yd}^3
 \end{aligned}$$

HOMework

Yellow WS 4

DUE Today