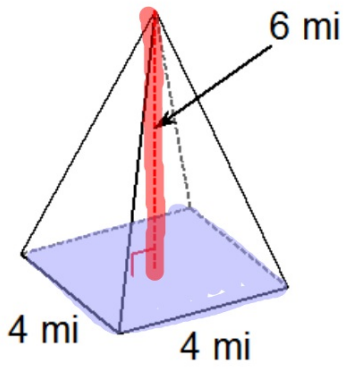
April 30, 2012

M7R

Get out your homework

4/30 - Volume of Pyramids

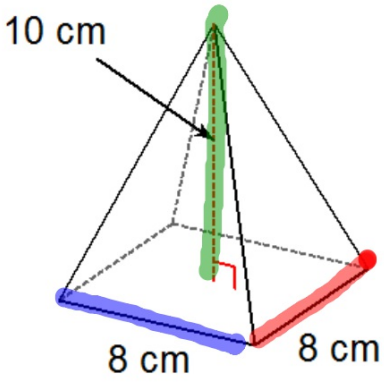
$$Volume = \frac{1}{3} \times (area\ of\ the\ base) \times height$$



$V = \frac{1}{3} \times LW \times H$

$V = \frac{1}{3} \times 4 \times 4 \times 6^{2}$

$V = 32\ mi^3$



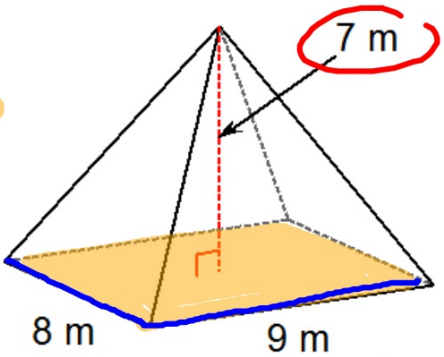
$$V = \frac{1}{3} L W H$$

$$= \frac{1}{3} \cdot 8 \cdot 8 \cdot 10$$

$$= 213.333\ldots$$

$$= 213.3 \text{ cm}^3$$

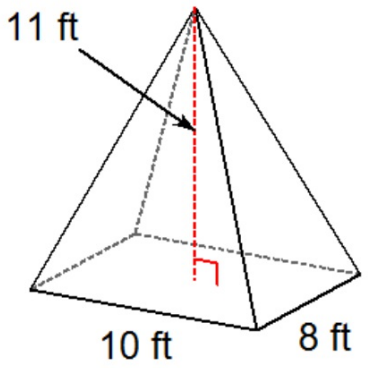
$A = LW$



$$V = \frac{1}{3}LWH$$

$$= \frac{1}{3} \cdot 8 \cdot 9 \cdot 7$$

$$= 168\ m^3$$

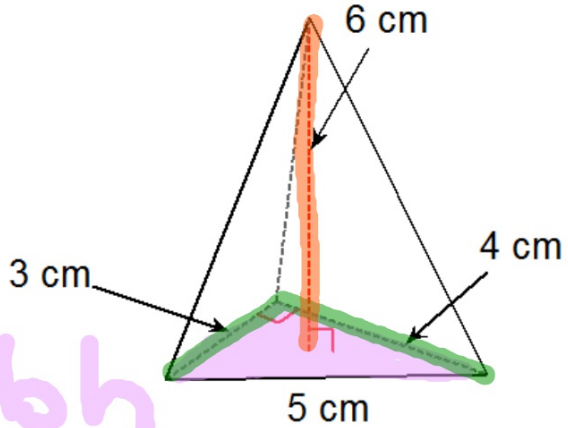


$$V = \frac{1}{3}LWH$$

$$= \frac{1}{3} \times 10 \times 8 \times 11$$

$$= 293.3333\ldots$$

$$= 293.3\ ft^3$$

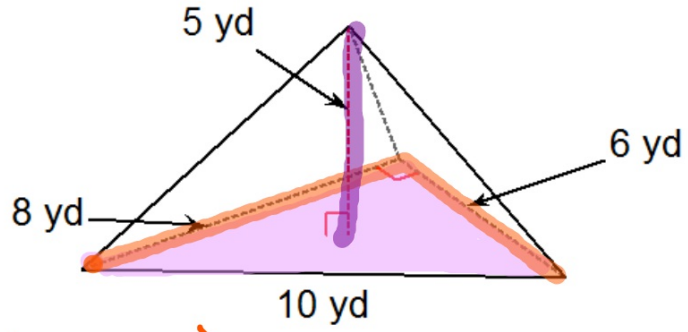


$A = \frac{1}{2}bh$

$V = \frac{1}{3}\left(\frac{1}{2}bh\right) \times H$

$= \frac{1}{3}\left(\frac{1}{2} \cdot 3 \cdot 4\right) \times 6$

$= 12 \text{ cm}^3$



$$V = \frac{1}{3}\left(\frac{1}{2}bh\right) \times H$$

$$= \frac{1}{3}\left(\frac{1}{2} \cdot \cancel{6}^{3} \cdot \cancel{8}^{4}\right) \times 5$$

$$= 40\ yd^3$$

Homework

Green 3D-figures WS6

Due Tuesday