

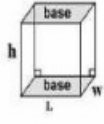
Name: _____ Date: _____

Volume

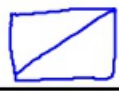
Volume of Prisms

Rect.
Tri

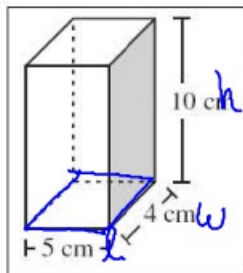
$V = B * h$
 $B = \text{Area of Base. } A = lw$
 $A = \frac{1}{2}lw$



$h = \text{distance b/t two bases}$

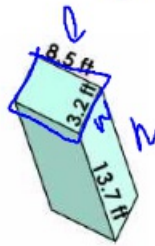


1. $V = (lw)h$



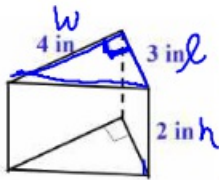
$V = 5 \cdot 4 \cdot 10$
 $V = 20 \cdot 10$
 $V = 200 \text{ cm}^3$

2. $V = (lw)h$



$V = 8.5 \cdot 3.2 \cdot 13.7$
 $V = 372.6 \text{ ft}^3$

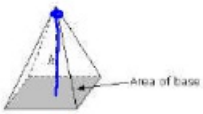
3. $V = (\frac{1}{2}lw)h$



$V = (\frac{1}{2} \cdot 3 \cdot 4) \cdot 2$
 $V = 6 \cdot 2$
 $V = 12 \text{ in}^3$

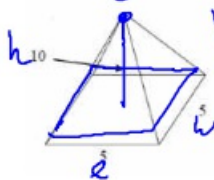
Volume of Pyramids

$V = \frac{1}{3} * B * h$ $B = \text{Area of Base}$ rect. tri
 $A = lw$ $A = \frac{1}{2}lw$



$h = \text{distance from the top of pyramid to the mid. of base}$

4. $V = \frac{1}{3}(lw)h$

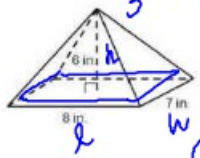


$V = \frac{1}{3} \cdot 5 \cdot 5 \cdot 10$

$V = \frac{1}{3} \cdot 250$

$V = 83.3$

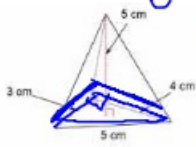
5. $V = \frac{1}{3}(lw)h$



$V = \frac{1}{3} \cdot 8 \cdot 7 \cdot 6$

$V = 112 \text{ in}^3$

6. $V = \frac{1}{3}(\frac{1}{2}lw)h$



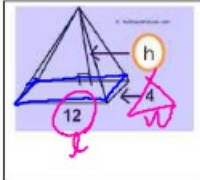
$V = \frac{1}{3}(\frac{1}{2} \cdot 3 \cdot 4) \cdot 5$

$V = \frac{1}{3}(6) \cdot 5$

$V = 2 \cdot 5$

$V = 10$

7. $V = 128$, find the height.



$V = \frac{1}{3}(lw)h$

$128 = \frac{1}{3} \cdot 12 \cdot 4 \cdot h$

$128 = \frac{16h}{3}$

$\frac{16}{16} \quad \frac{10}{10}$

$8 = h$