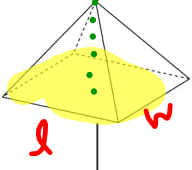
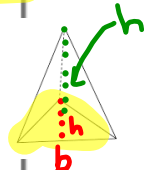


Volume of Pyramids

$V = \frac{1}{3}Bh$ height of pyramid $B = \text{Area of the base}$

Square Pyramid	Triangular Pyramid
$B = lw$	$B = \frac{1}{2}bh$
$V = \frac{1}{3}(lw)h$	$V = \frac{1}{3}(\frac{1}{2}bh)h$

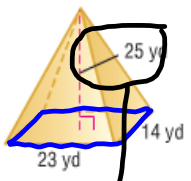
Find "B" First

May 16-8:03 AM

Find the volume of each pyramid. Round to the nearest tenth if necessary. (Examples 1 and 2)

a.

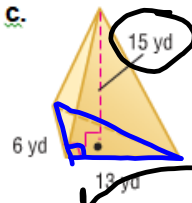


$B = lw$
 $23 \cdot 14$
 322

$V = \frac{1}{3}Bh$
 $\frac{1}{3} \cdot 322 \cdot 25$

$V = 2683.3 \text{ yd}^3$

c.



$B = \frac{1}{2}bh$
 $B = \frac{1}{2} \cdot 13 \cdot 6$
 $B = 39$

$V = \frac{1}{3}Bh$
 $\frac{1}{3} \cdot 39 \cdot 15$

$V = 195 \text{ yd}^3$

d. Find the volume of a pyramid that has a height of 9 centimeters and a rectangular base with a length of 7 centimeters and a width of 3 centimeters.

$$B = lW$$

$$B = 7 \cdot 3$$

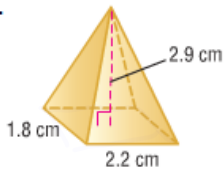
$$B = 21$$

$$V = \frac{1}{3} B h$$

$$\frac{1}{3} \cdot 21 \cdot 9$$

$$V = 63 \text{ cm}^3$$

b.



$$B = lW$$

$$1.8 \times 2.2$$

$$3.96$$

$$V = \frac{1}{3} B h$$

$$\frac{1}{3} \cdot 3.96 \cdot 2.9$$

$$V = 3.8 \text{ cm}^3$$

1. identify the base rectangle or triangle?

2. Find big B
Use: $l \times w$

3. Find the volume
 $V = \frac{1}{3} B h$