

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Volume**

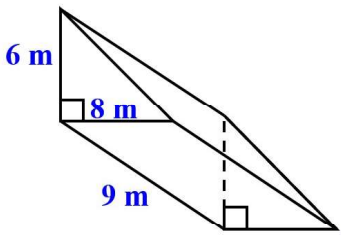
Volume of Prisms & Cylinders

B = area of the base  
h = height of prism

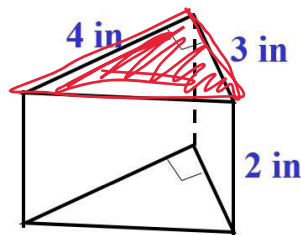
$V = B \cdot h$

Volume = cubed units!

1.  $V =$  \_\_\_\_\_



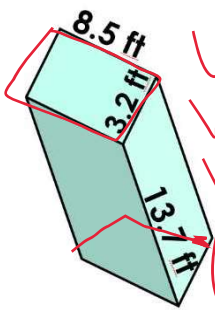
2.  $V =$  \_\_\_\_\_



triangular prism

$V = B \cdot h$   
 $V = \frac{1}{2} b \cdot h \cdot l$   
 $V = \frac{1}{2} (3)(4) \cdot 2$   
 $V = 12 \text{ in}^3$

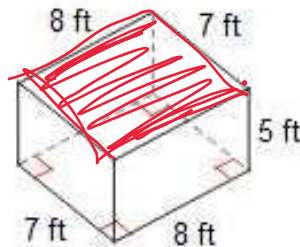
3.  $V =$  \_\_\_\_\_



Rectangular Prism

$V = B \cdot h$   
 $V = b \cdot h \cdot l$   
 $V = (8.5)(3.2) \cdot 13.7$   
 $V = 372.64 \text{ ft}^3$

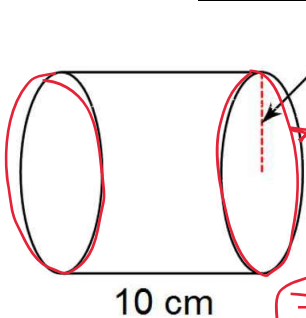
4.  $V =$  \_\_\_\_\_



Rectangular Prism

$V = B \cdot h$   
 $V = b \cdot h \cdot l$   
 $V = 7 \cdot 8 \cdot 5 = 280 \text{ ft}^3$

5.  $V =$  \_\_\_\_\_



cylinder

$V = B \cdot h$   
 $V = \pi r^2 \cdot h$   
 $V = \pi (5)^2 \cdot 10$   
 $= 250\pi \text{ cm}^3$   
 $= 785.4 \text{ cm}^3$

6.  $V =$  \_\_\_\_\_



9 in

26 in

$r = 13$