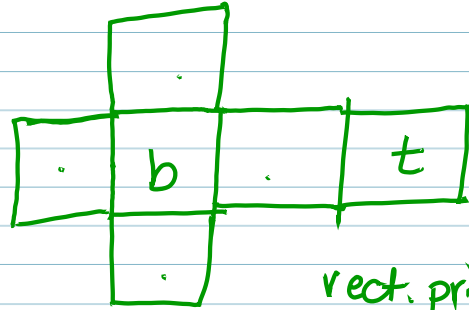


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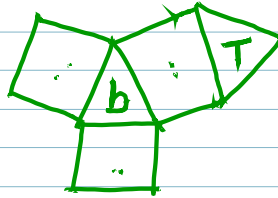
Volume prism

area of base  
height

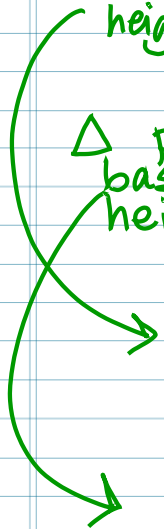


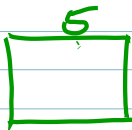
rect. prism

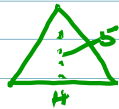
rect prism = 200 units<sup>3</sup>  
 base 4x5  
 height 10



$\Delta$  prism = 100 units<sup>3</sup>  
 base length 4 + height 5  
 height 10



base 4  = 20 x height 10 = 200 units<sup>3</sup>



$\frac{1}{2} (b \cdot h)$   
 $\frac{1}{2} (4 \cdot 5) = 10 \times \text{height } 10 =$   
 100 units<sup>3</sup>

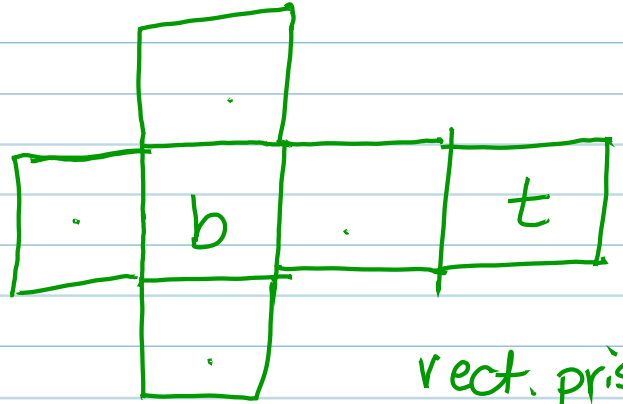
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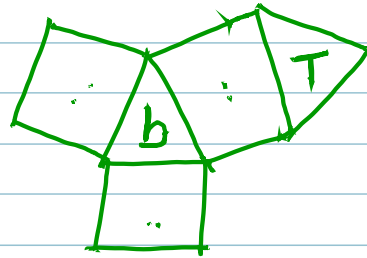
Volume prism

area of base  
height

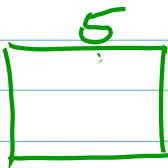


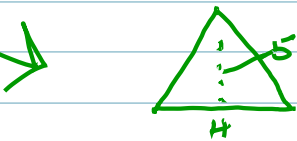
rect. prism

rect prism = 200 units<sup>3</sup>  
 base 4 x 5  
 height 10



$\Delta$  prism = 100 units<sup>3</sup>  
 base length 4 + height 5  
 height 10

→ base 4  = 20 x height 10 = 200 units<sup>3</sup>



$\frac{1}{2} (b \cdot h)$   
 $\frac{1}{2} (4 \cdot 5) = 10$  x height 10 =  
 100 units<sup>3</sup>

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P777 (1-7)

- ① base  $\triangle$   $12 \times 51$  area  $\boxed{306 \text{ sq yd}}$   
top  $\triangle$   $12 \times 51$  area  $\boxed{306 \text{ sq yd}}$   
wall  $\square$   $5 \times 51$  area  $\boxed{255 \text{ sq yd}}$   
wall  $\square$   $37 \times 5$  area  $\boxed{185 \text{ sq yd}}$   
wall  $\square$   $20 \times 5$  area  $\boxed{100 \text{ sq yd}}$

volume  $306$  (area base)

$$\rightarrow \frac{306}{6} \text{ yds}^3 = 3530 \text{ yds}^3$$

$$\begin{array}{r} 306 \\ 306 \\ 255 \\ 185 \\ + 100 \\ \hline 1152 \text{ sq yds} \end{array}$$

surface area

$\triangle$  prisms = 5 faces

$\square$  prisms = 6 faces

$\square$  prisms = 7 faces