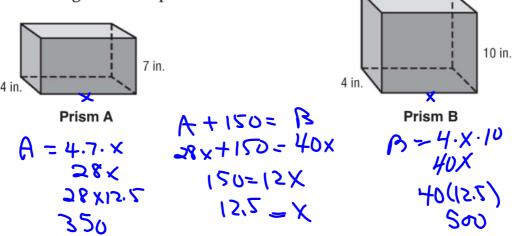
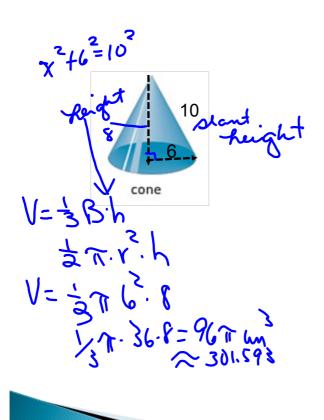
Prisms A and B have the same length and width, but different heights. If the volume of Prism B is 150 cubic inches greater than the volume of Prism A,

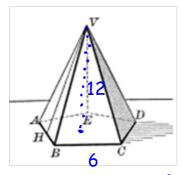
what is the length of each prism?



## Volume of Pyramids and

Pyramid Cones
$$V = \frac{1}{3}Bh \qquad V = \frac{1}{3}\pi r^2 h$$





Central (\* 
$$\frac{360}{5}$$

Tan  $3k = \frac{3}{4}$ 

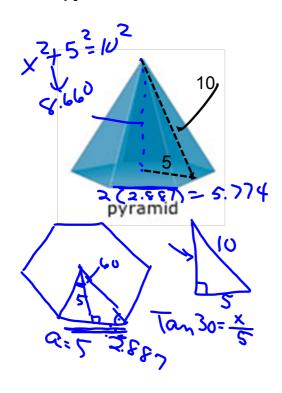
B=  $a \cdot P \cdot \frac{1}{2}$ 
 $360 \quad \text{Tan } 3k = \frac{3}{4}$ 
 $360 \quad \text{Tan } 3k = \frac{3}{4}$ 

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

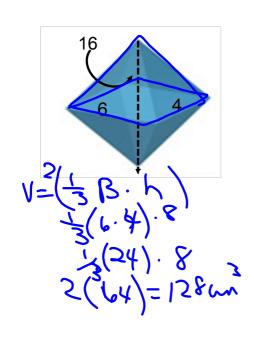
$$\frac{1}{3} (4.127)(30)$$

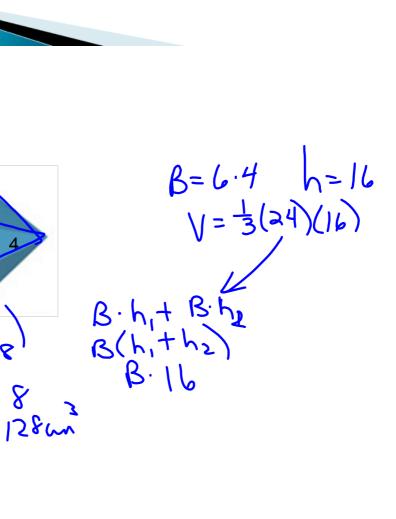
$$= (41.27)(30)$$

$$= (41.905)$$



$$P = 4(5.774) = 34.644$$
 $B = \frac{1}{3}(5)(34.644)$ 
 $B = \frac{1}{3}(5)(34.644)$ 
 $V = \frac{1}{3}(86.60)(8.660)$ 
 $V = \frac{1}{3}(86.60)(8.660)$ 
 $V = \frac{1}{3}(86.60)(8.660)$ 
 $V = \frac{1}{3}(86.60)(8.660)$ 





## Assignment:

pg 860 12 - 33 by 3's

pg 856 4 - 12 evens

