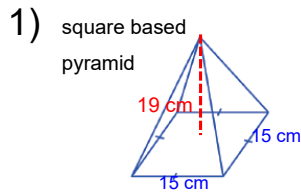


Volume of a Pyramid

$$V = \frac{A_{\text{base}} \times h}{3}$$

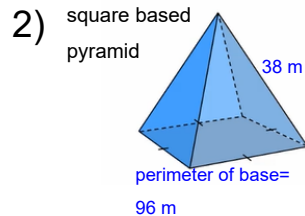
Find the volume of the following solids:



$$V = \frac{A_b \cdot h}{3}$$

$$= \frac{(15 \cdot 15) 19}{3}$$

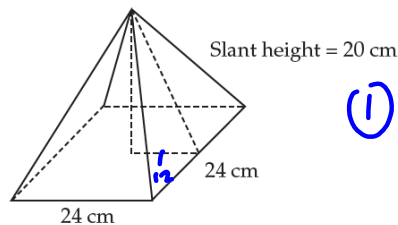
$$= 1425 \text{ cm}^3$$



① Find side length of base:  
 $96 \div 4 = 24 \text{ m}$

②  $V = \frac{(24 \cdot 24) 38}{3}$   
 $= 7296 \text{ m}^3$

3) Calculate the volume of the following pyramid, given the information below.



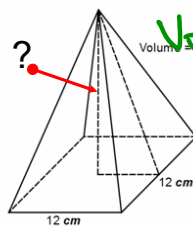
Find h:

①  $h = 16$

$h^2 = 20^2 - 12^2$   
 $h^2 = 256$   
 $h = 16$

②  $V = \frac{(24)(24)(16)}{3} = 3072 \text{ cm}^3$

4) Working backwards.



Volume =  $384 \text{ cm}^3$

$$384 = \frac{(12)(12)h}{3}$$

$$384 = 48h$$

$$\frac{384}{48} = \frac{48h}{48}$$

$$h = 8 \text{ cm}$$