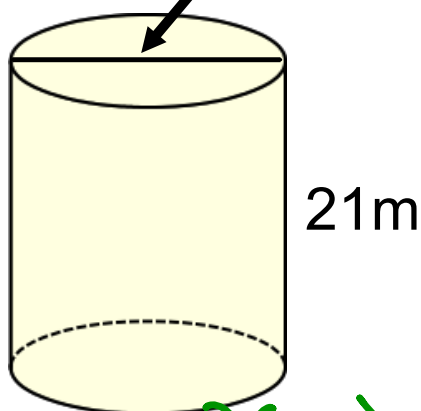


~~HW: pg. 333/18 19 (omit 19)~~

**Warm up:**

Find the volume.

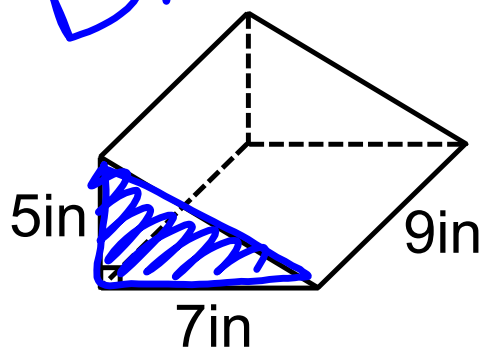
$$V = \pi r^2 h$$



$$3.14(8.5)^2(21)$$

$$4764.17 \text{ m}^3$$

$$Bh$$



$$\frac{1}{2} \cdot 5 \cdot 7 \cdot 9$$

$$157.5 \text{ in}^3$$

 <https://www.youtube.com/watch?v=O2wenAlf0H8&t=64s>

$$V(\text{prism}) = Bh$$

$$V(\text{pyramid}) = \frac{1}{3} Bh$$

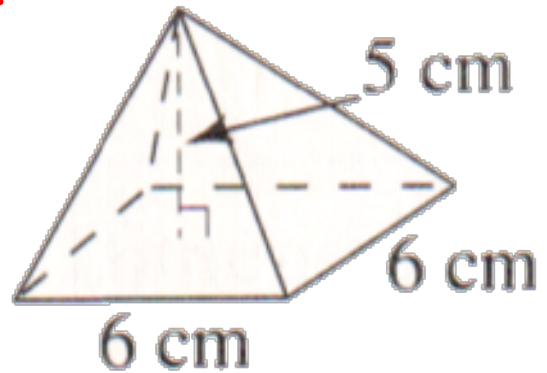
## Pyramid

$$V = \frac{1}{3} Bh$$

area of  
the base

$$\frac{1}{3}(6 \cdot 6)(5)$$

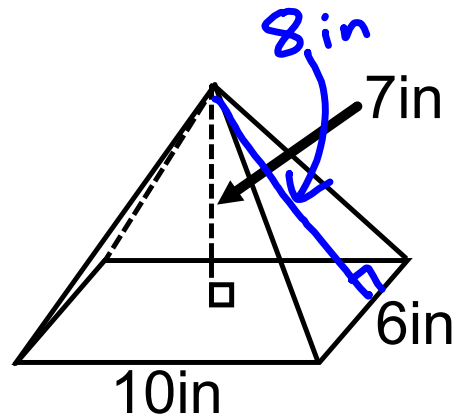
$$(1 \div 3) \cdot 6 \cdot 6 \cdot 5$$



$$60 \text{ cm}^3$$

Find the volume.

$$\frac{1}{3} \cdot 6 \cdot 10 \cdot 7$$
$$140 \text{ in}^3$$



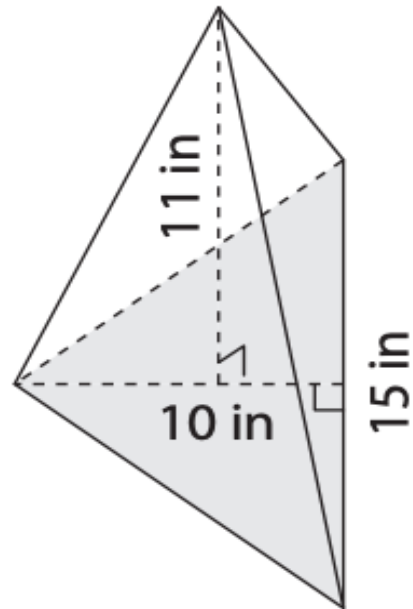
Find the volume.

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

$$\frac{1}{3} \cdot \frac{1}{2} \cdot 10 \cdot 15 \cdot 11$$

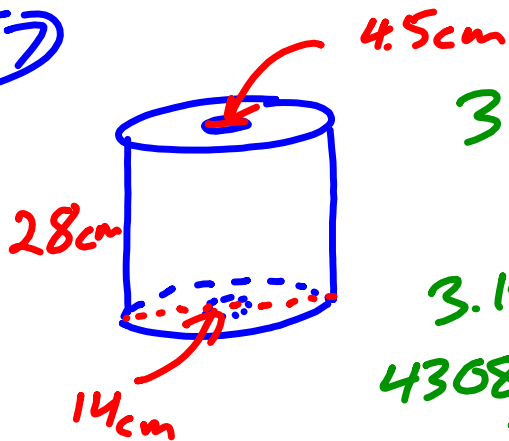
$$\left(\frac{1}{3}\right) \cdot \left(\frac{1}{2}\right) \cdot 10 \cdot 15 \cdot 11$$

$$275 \text{ in}^3$$



## HW Solutions

(17)



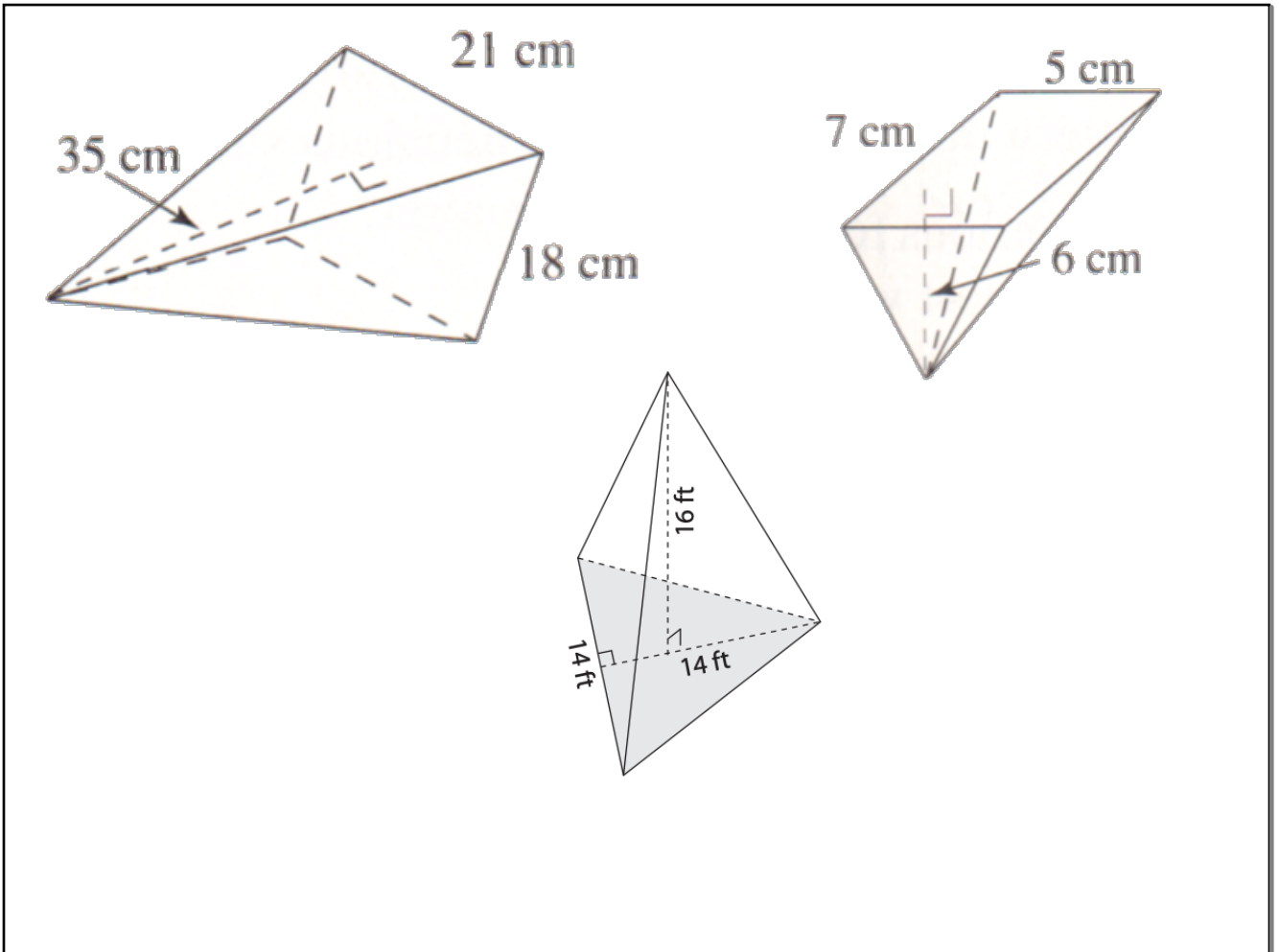
$$3.14(7)^2(28) = 4308.08$$

$$3.14(2.25)^2(28) = 445.095$$

$$4308.08 - 445.095$$

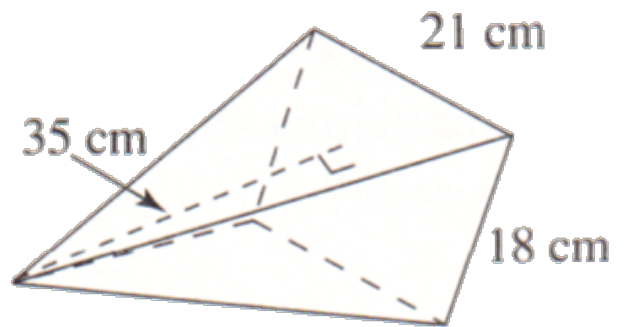
$$3862.985$$

$$\underline{3863 \text{ cm}^3}$$



$$\frac{1}{3} \cdot 21 \cdot 18 \cdot 35$$

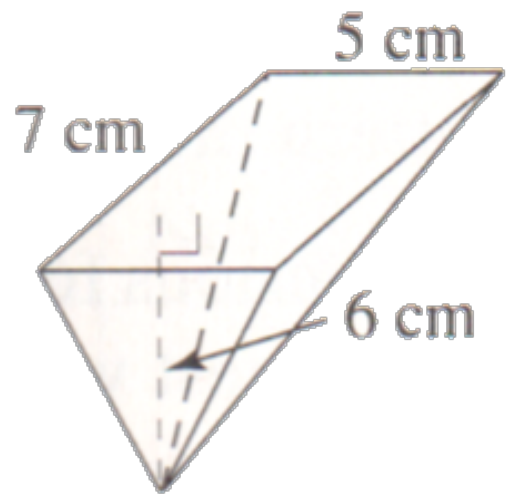
$$4410 \text{ cm}^3$$





$$\frac{1}{3} \cdot 6 \cdot 7.5$$

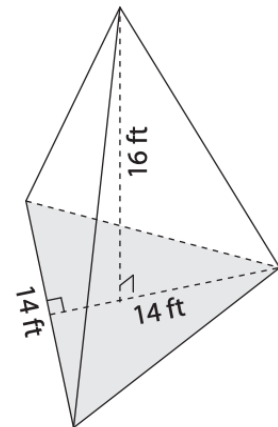
$$70 \text{ cm}^3$$



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

$$\frac{1}{3} \cdot \frac{1}{2} \cdot 14 \cdot 14 \cdot 16$$

$$522.67 \text{ ft}^3$$





V. 10, 12, 13, 14, 15

