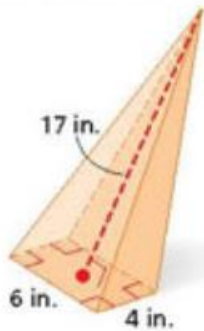


HW: p. 761 #2-3, 6-7, 11, 13, 14

Find the volume of each pyramid. Round to the nearest tenth, if necessary.

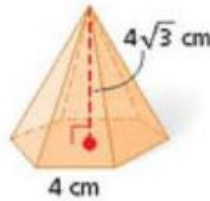
2.



$$V = \frac{(6 \cdot 4) 17}{3}$$

$$= \boxed{136 \text{ in}^3}$$

3.



$$A = \left(\frac{4^2 \sqrt{3}}{4}\right) 6$$

$$= 24\sqrt{3}$$

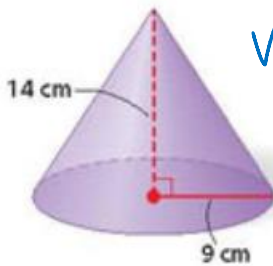
$$V = \frac{(24\sqrt{3}) 4\sqrt{3}}{3}$$

$$= \frac{96 \cdot 3}{3}$$

$$= \boxed{96 \text{ cm}^3}$$

Find the volume of each cone. Give your answers both in terms of π and rounded to the nearest tenth.

6.



$$V = \frac{\pi r^2 (h)}{3}$$

$$= \boxed{378\pi \text{ cm}^3}$$

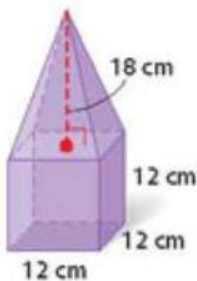
7.



$$V = \frac{(\pi 24^2) (30)}{3}$$

$$= \boxed{1440\pi \text{ in}^3}$$

11.

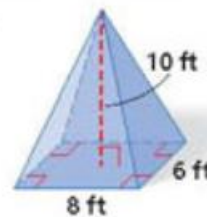


Pyramid

$$V = \frac{(12 \cdot 12) 18}{3}$$

$$= 864 \text{ cm}^3$$

13.



$$V = \frac{(8 \cdot 6) 10}{3}$$

$$= \boxed{160 \text{ ft}^3}$$

Prism

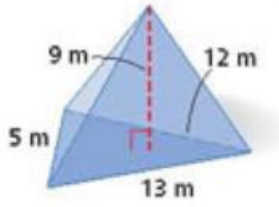
$$V = (12 \cdot 12) 12$$

$$= 1728 \text{ cm}^3$$

Total: $1728 + 864$

$$= \boxed{2592 \text{ cm}^3}$$

14.



$$V = \frac{\left(\frac{12 \cdot 5}{2}\right) 9}{3}$$

$$= 90 \text{ m}^3$$

