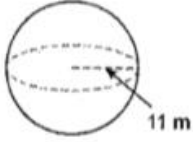
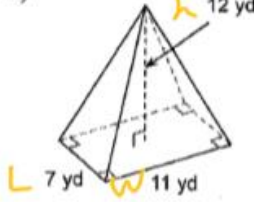
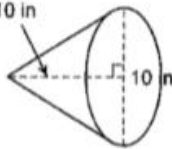


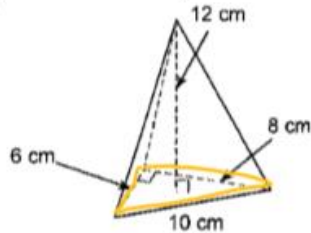
Volume Quiz Review

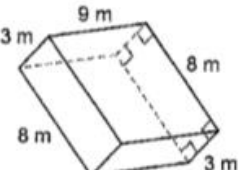
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

1)  $\frac{4}{3}\pi(11)^3$
 5575.28^3

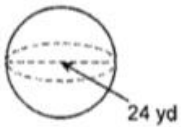
2)  $V = \frac{1}{3}Bh$
 $V = \frac{1}{3}(Lw)h$
 $V = \frac{1}{3}(7)(11)(12)$
 $= 308\text{yd}^3$

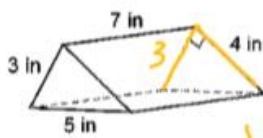
3)  $V = \frac{1}{3}\pi r^2 h$
 $= \frac{1}{3}\pi(5)^2(10)$
 $\approx 261.80\text{in}^3$

4)  $V = \frac{1}{3}Bh$
 $V = \frac{1}{3}(\frac{1}{2}bh)h$
 $\frac{1}{3} \cdot \frac{1}{2} \cdot (6)(8)(12)$
 96cm^3

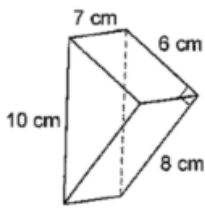
5)  $V = 3(9)(8)$
 $= 216\text{m}^3$

6)  $V = \pi(8)^2(12)$
 $V \approx 2412.74$

7)  $\frac{4}{3}\pi(12)^3$
 $V \approx 7238.23\text{yd}^3$

8)  $V = \frac{1}{2}(3)(4)(7)$
 $V = 42\text{in}^3$

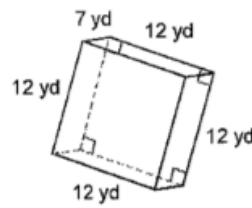
9)



$$V = \frac{1}{2} (6)(8)(7)$$

$$V = 168 \text{ cm}^3$$

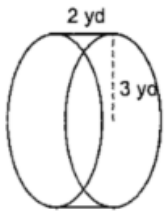
10)



$$V = 12(12)(7)$$

$$V = 1008 \text{ yd}^3$$

11)



$$V = \pi (3)^2 (2)$$

$$V \approx 56.55 \text{ yd}^3$$

12)



$$V = \frac{1}{3} \pi (4)^2 (8)$$

$$V = 134.04 \text{ ft}^3$$

13) A cone with diameter 4 ft and a height of 10 ft.

$$V = \frac{1}{3} \pi (2)^2 (10)$$

$$\approx 41.89 \text{ ft}^3$$



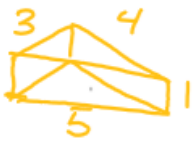
14) A rectangular pyramid of height 8 m measuring 4 m and 8 m along the base.

$$V = \frac{1}{3} (8)(4)(8)$$

$$\approx 85.33 \text{ m}^3$$



15) A prism 1 m tall with a right triangle for a base with side lengths 3 m, 4 m, and 5 m.



$$V = \frac{1}{2} (3)(4)(1)$$

$$V = 6 \text{ m}^3$$

16) A rectangular prism measuring 5 cm and 6 cm along the base and 12 cm tall.



$$V = 5(6)(12)$$

$$V = 360 \text{ cm}^3$$

17) A cylinder with a diameter of 22 ft and a height of 9 ft.



$$V = \pi (11)^2 (9)$$

$$V \approx 3421.19 \text{ ft}^3$$

18) A sphere with a radius of 6 mi.



$$V = \frac{4}{3} \pi (6)^3$$

$$V = 904.78 \text{ mi}^3$$