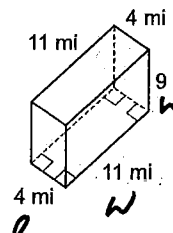
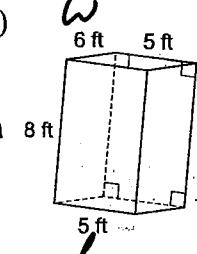
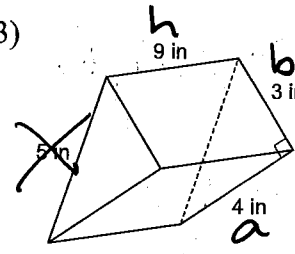


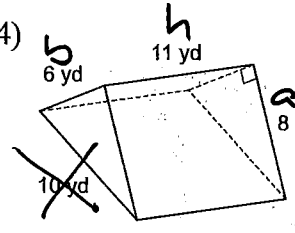
Volume of Prisms and Pyramids

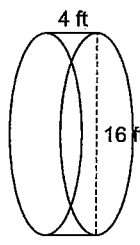
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

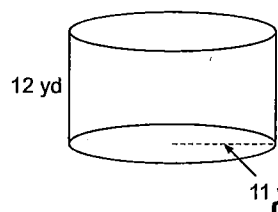
1)  $V = lwh$
 $V = 4 \cdot 11 \cdot 9$
 $V = 396 \text{ mi}^3$

2)  $V = lwh$
 $V = 5 \cdot 6 \cdot 8$
 $V = 240 \text{ ft}^3$

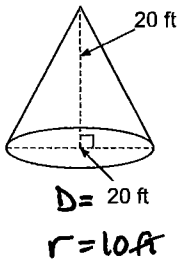
3)  $V = \frac{ab}{2}h$
 $V = \frac{4 \cdot 3}{2} \cdot 9$
 $V = \frac{12}{2} \cdot 9$
 $V = 6 \cdot 9$
 $V = 54 \text{ in}^3$
 Do not use Hypotenuse!

4)  $V = \frac{ab}{2}h$
 $V = \frac{8 \cdot 6}{2} \cdot 11$
 $V = \frac{48}{2} \cdot 11$
 $V = 264 \text{ yd}^3$

5)  $V = \pi r^2 h$
 $V = \pi \left(\frac{D}{2}\right)^2 h$
 $V = \pi \left(\frac{16}{2}\right)^2 (4)$
 $V = \pi 8^2 \cdot 4$
 $V = 804.2 \text{ ft}^3$

6)  $V = \pi r^2 h$
 $V = \pi (11)^2 (12)$
 $V = \pi 121 \cdot 12$
 $V = 4561.6 \text{ yd}^3$

7)



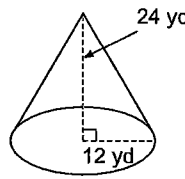
$$V = \frac{\pi r^2 h}{3}$$

$$V = \frac{\pi (10)^2 (20)}{3}$$

$$V = \frac{6283.2}{3}$$

$$V = 2094.4 \text{ ft}^3$$

8)



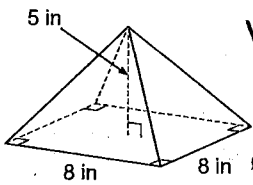
$$V = \frac{\pi r^2 h}{3}$$

$$V = \frac{\pi (12)^2 (24)}{3}$$

$$V = \frac{10857.3}{3}$$

$$V = 3619.1 \text{ yd}^3$$

9)



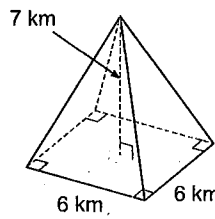
$$V = \frac{b^2 h}{3}$$

$$V = \frac{(8)^2 (5)}{3}$$

$$V = \frac{320}{3}$$

$$V = 106.7 \text{ in}^3$$

10)



$$V = \frac{b^2 h}{3}$$

$$V = \frac{(6)^2 (7)}{3}$$

$$V = \frac{252}{3}$$

$$V = 84 \text{ km}^3$$