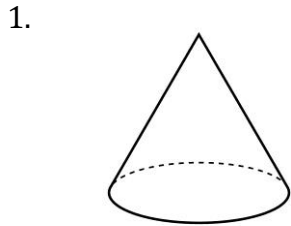
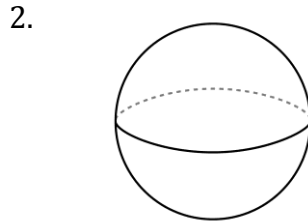


Objective: I can calculate the volumes of cylinders, cones and spheres.

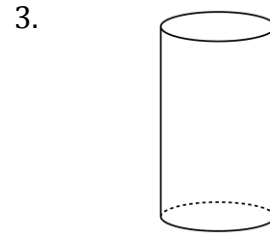
**Label the figure: cylinder, cone or sphere. Write the formula for finding each figure's volume.**



V = \_\_\_\_\_

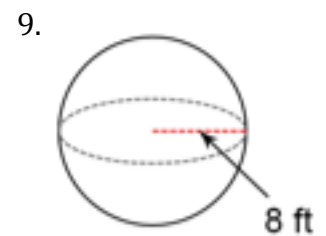
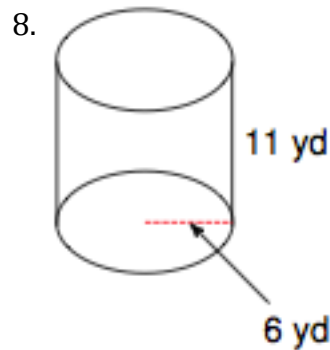
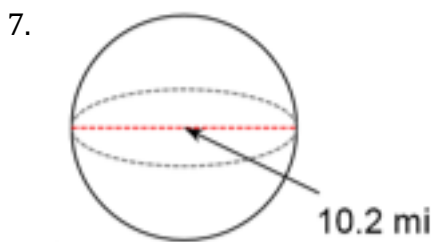
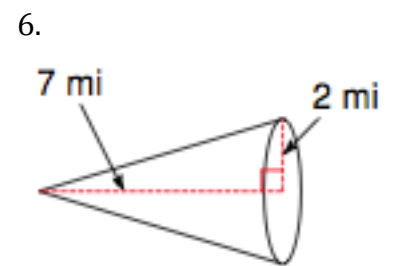
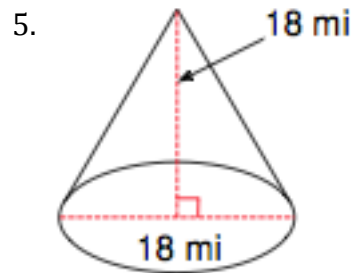
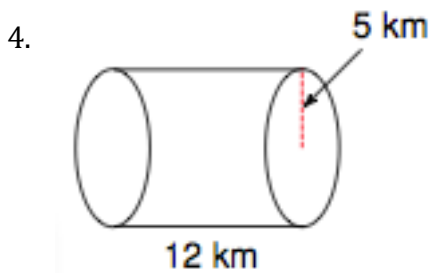


V = \_\_\_\_\_

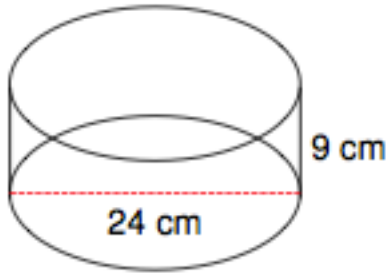


V = \_\_\_\_\_

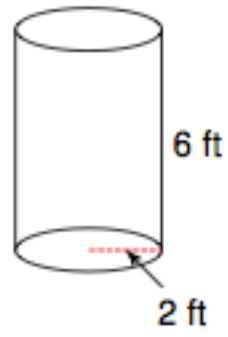
**Find the volume of each figure.**



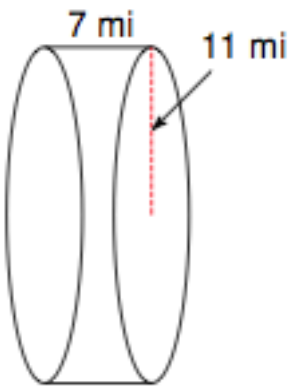
10.



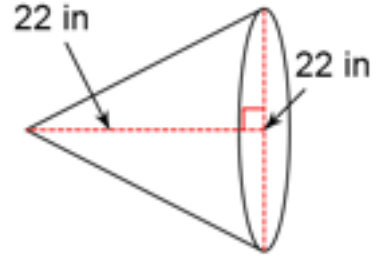
11.



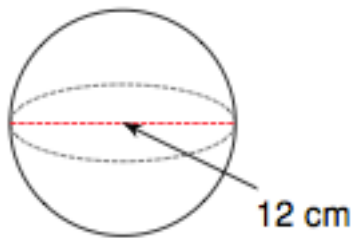
12.



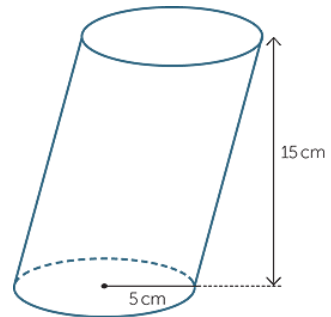
13.



14.



15.



## Answer Key

1.  $\frac{1}{3}\rho r^2 h$

2.  $\frac{4}{3}\rho r^3$

3.  $\rho r^2 h$

5.  $486\rho \text{ mi}^3$

7.  $555.7 \text{ mi}^3$

9.  $\frac{2048\rho}{3} \text{ ft}^3$

11.  $24\rho \text{ ft}^3$

13.  $\frac{2662\rho}{3} \text{ in}^3$

15.  $375\rho \text{ cm}^3$