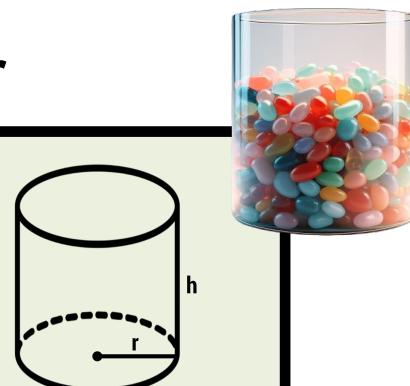


Finding the Volume of a Cylinder

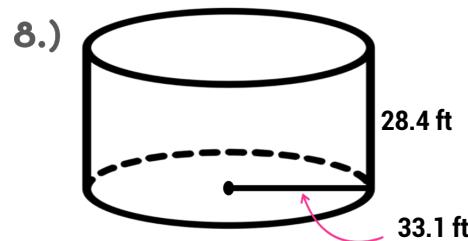
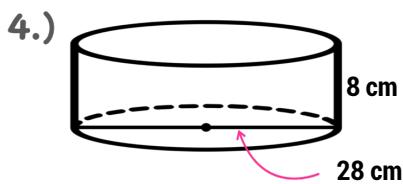
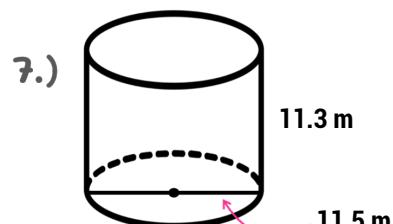
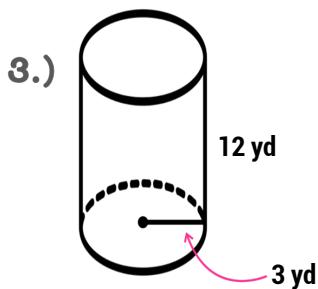
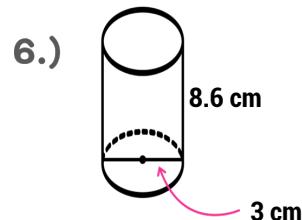
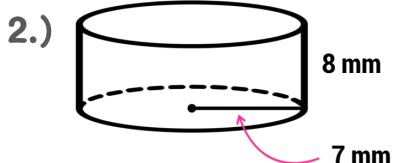
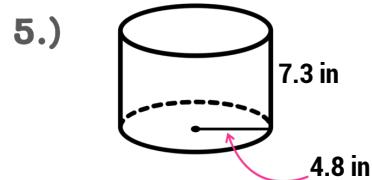
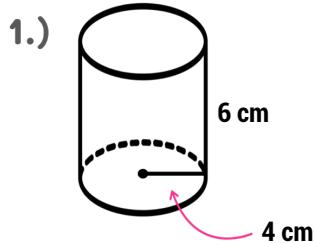
Volume of a Cylinder Formula

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

Where r is the radius of the base of the cylinder and h is the height.



Directions: Find the volume of each cylinder and round your answer to the nearest tenth.



ANSWER KEY

- 1.) $V = 301.6 \text{ cm}^3$
- 2.) $V = 1,231.5 \text{ mm}^3$
- 3.) $V = 339.3 \text{ yd}^3$
- 4.) $V = 4,926.0 \text{ cm}^3$
- 5.) $V = 528.4 \text{ in}^3$
- 6.) $V = 60.8 \text{ cm}^3$
- 7.) $V = 1,173.7 \text{ m}^3$
- 8.) $V = 97,751.7 \text{ ft}^3$