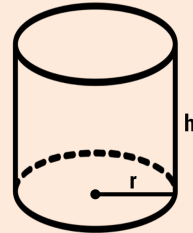Name: _____

Finding the Volume of a Cylinder
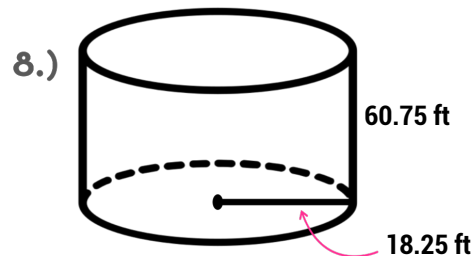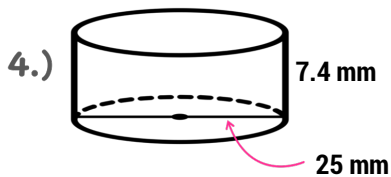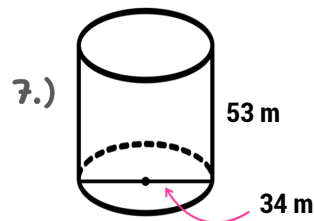
Volume of a Cylinder Formula

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

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.
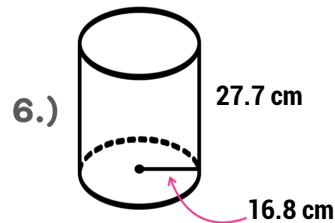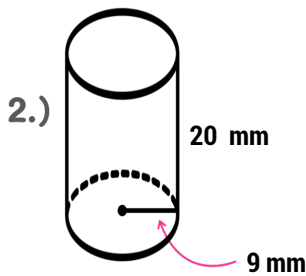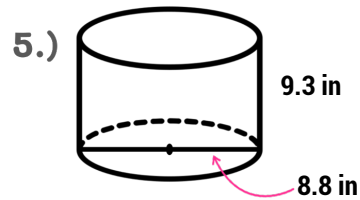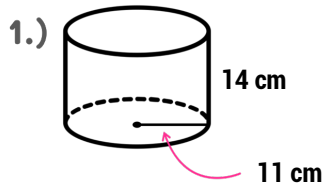
1.) 14 cm, 11 cm

2.) 20 mm, 9 mm

3.) 2.5 yd, 2.4 yd

4.) 7.4 mm, 25 mm

5.) 9.3 in, 8.8 in

6.) 27.7 cm, 16.8 cm

7.) 53 m, 34 m

8.) 60.75 ft, 18.25 ft
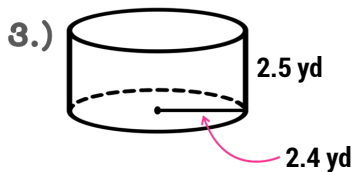
1.) $V = 5{,}321.9 \text{ cm}^3$
2.) $V = 5{,}089.4 \text{ mm}^3$
3.) $V = 45.2 \text{ yd}^3$
4.) $V = 3{,}632.5 \text{ mm}^3$
5.) $V = 565.6 \text{ in}^3$
6.) $V = 24{,}561.1 \text{ cm}^3$
7.) $V = 48{,}119.8 \text{ m}^3$
8.) $V = 63{,}565.6 \text{ ft}^3$