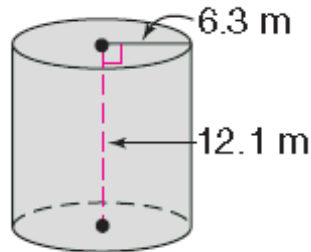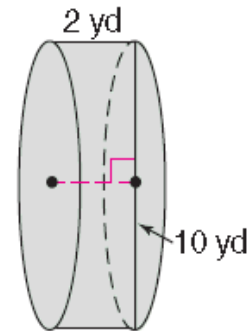**Name:** _____

# Prism and Cylinder

**Exercise 1:** Find the surface area and the volume of each solid.
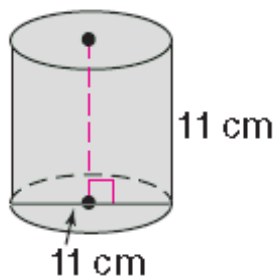
1)



6.3 m

12.1 m

2)



2 yd

10 yd

3)



11 cm
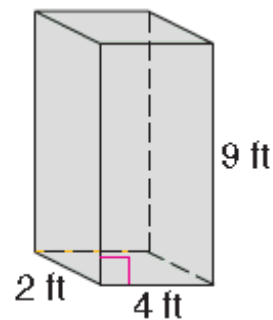
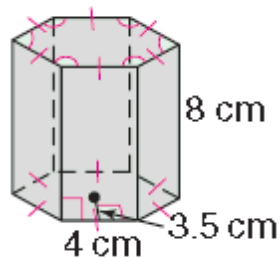11 cm

4)



9 ft

2 ft    4 ft

5)



8 cm

4 cm    3.5 cm

**Exercise 2:** What is the volume of a cube that has a 5-inch edge?

**Exercise 3:** Draw a rectangular prism that is 4 centimeters by 8 centimeters by 3 centimeters. Find the volume of the prism.

**Exercise 4:** A cylinder has a base diameter of 14 inches and a height of 18 inches. What is the volume of the cylinder?

**Exercise 5:** The surface area of a cylinder is 94.2cm$^2$, if the radius of the cylinder is 3, what is its height? Explain how you found your answer.