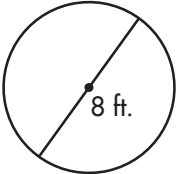
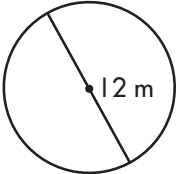
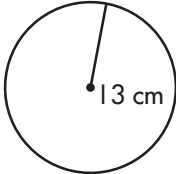
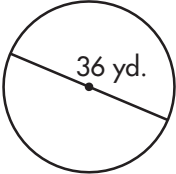

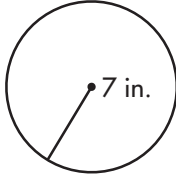


**Lesson 5.6** Circles: Area

To find the area of a circle, use the formula  $A = \pi \times r^2$ . Remember, the radius ( $r$ ) is half the diameter. It is the distance from the center of the circle to its outer edge.

Find the area of each circle below. Use 3.14 for  $\pi$ . Round your answer to the nearest tenth.

- a**
1.  \_\_\_\_\_ square feet
- b**
-  \_\_\_\_\_ square meters
- c**
-  \_\_\_\_\_ square centimeters
2.  \_\_\_\_\_ square yards
-  \_\_\_\_\_ square kilometers
-  \_\_\_\_\_ square inches

Complete the chart for each circle described below. Use 3.14 for  $\pi$ . When necessary, round to the nearest tenth.

Diameter	Radius	Area
3. _____ inches	3 inches	_____ square inches
4. 18 feet	_____ feet	_____ square feet
5. 17 meters	_____ meters	_____ square meters
6. _____ centimeters	32 centimeters	_____ square centimeters