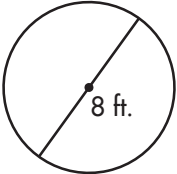
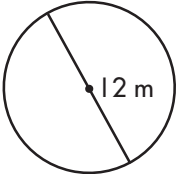
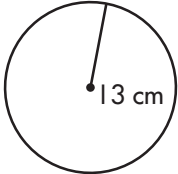
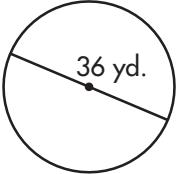

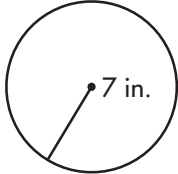


Lesson 5.6 Circles: Area

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 π . Round your answer to the nearest tenth.

- | | | | |
|-----------|---|---|---|
| | a | b | c |
| 1. |  |  |  |
| | _____ square feet | _____ square meters | _____ square centimeters |
| 2. |  |  |  |
| | _____ square yards | _____ square kilometers | _____ square inches |

Complete the chart for each circle described below. Use 3.14 for π . 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 |

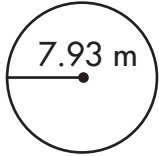
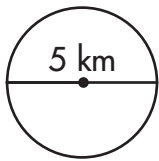
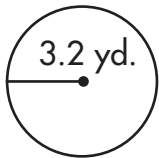
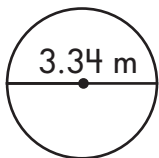
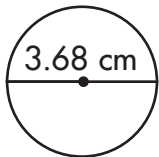
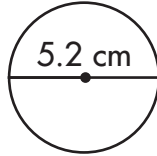
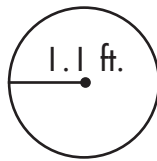
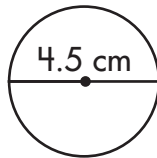
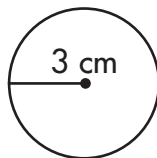
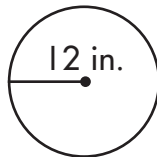
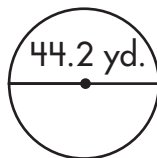
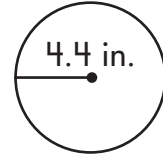
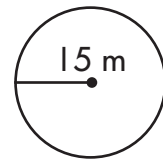
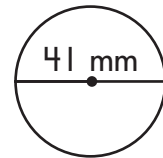
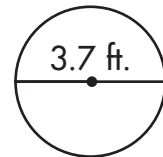
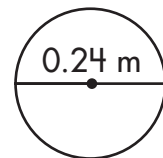
Lesson 5.6 Circles: Area

Complete the chart for each circle described below. Use 3.14 for π . When necessary, round to the nearest hundredth.

| | a Radius | b Diameter | c Area |
|------------|--------------------|----------------------|------------------------|
| 1. | 4 in. | _____ in. | _____ in. ² |
| 2. | _____ ft. | 12 ft. | _____ ft. ² |
| 3. | 1.5 m | _____ m | _____ m ² |
| 4. | 11 in. | _____ in. | _____ in. ² |
| 5. | _____ km | 0.8 km | _____ km ² |
| 6. | 90 mm | _____ mm | _____ mm ² |
| 7. | 5 ft. | _____ ft. | _____ ft. ² |
| 8. | _____ in. | 9 in. | _____ in. ² |
| 9. | _____ cm | 8.2 cm | _____ cm ² |
| 10. | _____ m | 11 m | _____ m ² |
| 11. | 3 cm | _____ cm | _____ cm ² |
| 12. | 12 in. | _____ in. | _____ in. ² |
| 13. | _____ km | 28 km | _____ km ² |
| 14. | 9 m | _____ m | _____ m ² |
| 15. | _____ cm | 22 cm | _____ cm ² |

Lesson 5.6 Circles: Area

Find the area for each circle below. Use 3.14 for π . When necessary, round to the nearest hundredth.

a**1.**_____ m²**2.**_____ km²**3.**_____ yd.²**4.**_____ m²**5.**_____ cm²**6.**_____ mi.²**b**_____ cm²_____ ft.²_____ cm²_____ cm²_____ in.²_____ yd.²**c**_____ in.²_____ m²_____ mm²_____ in.²_____ ft.²_____ m²