

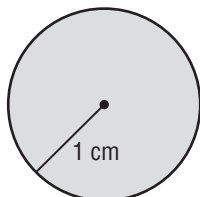
Lesson 2 Skills Practice

Area of Circles

Find the area of each circle. Round to the nearest tenth.

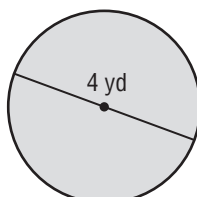
Use 3.14 or $\frac{22}{7}$ for π .

1.



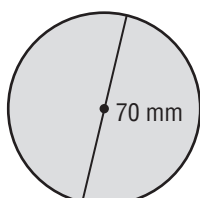
$$3.14 \times 1 \times 1 = 3.1 \text{ cm}^2$$

2.



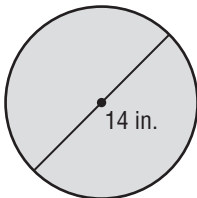
$$3.14 \times 2 \times 2 = 12.6 \text{ yd}^2$$

3.



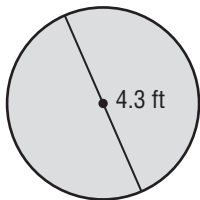
$$\frac{22}{7} \times 35 \times 35 = 3,850 \text{ mm}^2$$

4.



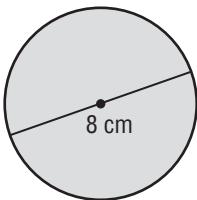
$$\frac{22}{7} \times 7 \times 7 = 154 \text{ in}^2$$

5.



$$3.14 \times 2.15 \times 2.15 = 14.5 \text{ ft}^2$$

6.



$$3.14 \times 4 \times 4 = 50.2 \text{ cm}^2$$

7. radius = 5.7 mm

$$3.14 \times 5.7 \times 5.7 = 102.0 \text{ mm}^2$$

8. radius = 8.2 ft

$$3.14 \times 8.2 \times 8.2 = 211.1 \text{ ft}^2$$

9. diameter = 3 in.

$$3.14 \times 1.5 \times 1.5 = 7.1 \text{ in}^2$$

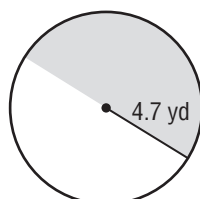
10. diameter = 15.6 cm

$$3.14 \times 7.8 \times 7.8 = 191.0 \text{ cm}^2$$

Find the area of each semicircle. Round to the nearest tenth.

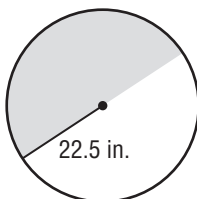
Use 3.14 for π .

11.



$$\approx 34.7 \text{ yd}^2$$

12.



$$\approx 794.8 \text{ in}^2$$