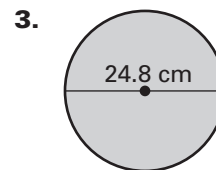
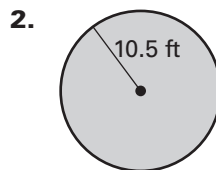
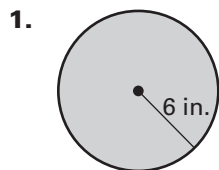


**LESSON**  
**11.5****Practice***For use with pages 755–761*

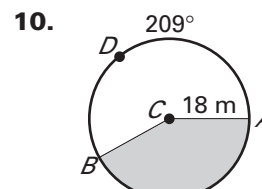
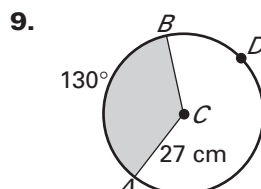
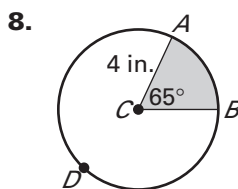
**Find the exact area of the circle. Then find the area to the nearest hundredth.**



**Find the indicated measure.**

4. The area of a circle is 173 square inches. Find the radius.
5. The area of a circle is 290 square meters. Find the radius.
6. The area of a circle is 654 square centimeters. Find the diameter.
7. The area of a circle is 528 square feet. Find the diameter.

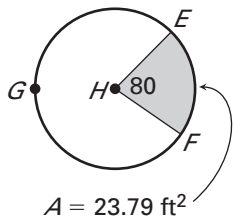
**Find the areas of the sectors formed by  $\angle ACB$ .**



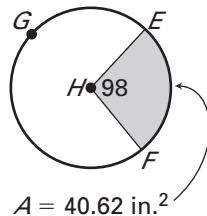
**LESSON 11.5 Practice** *continued*  
For use with pages 755–761

Use the diagram to find the indicated measure.

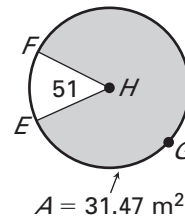
11. Find the area of  $\odot H$ .



12. Find the radius of  $\odot H$ .



13. Find the diameter of  $\odot H$ .



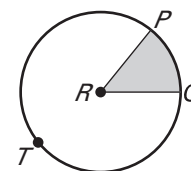
The area of  $\odot R$  is 295.52 square inches. The area of sector  $PRQ$  is 55 square inches. Find the indicated measure.

14. Radius of  $\odot R$

15. Circumference of  $\odot R$

16.  $m\widehat{PQ}$

17. Length of  $\widehat{PQ}$

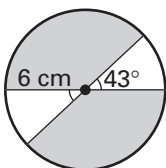


18. Perimeter of shaded region

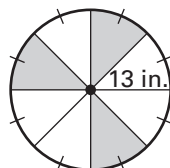
19. Perimeter of unshaded region

Find the area of the shaded region.

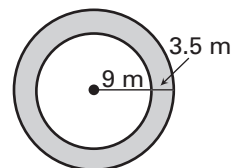
- 20.



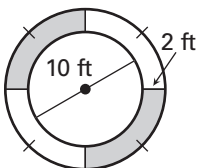
- 21.



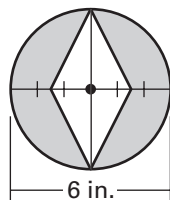
- 22.



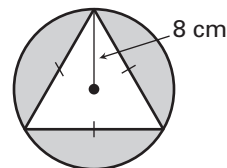
- 23.



- 24.



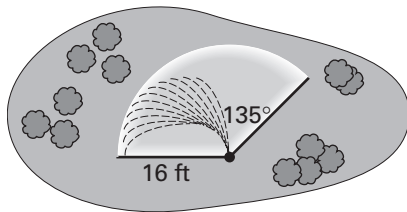
- 25.



LESSON  
11.5**Practice** *continued*  
For use with pages 755–761

- 26. Fountain** A circular water fountain has a diameter of 42 feet. Find the area of the fountain.

- 27. Landscaping** The diagram at the right shows the area of a lawn covered by a water sprinkler.



- a. What is the area of the lawn that is covered by the sprinkler?
- b. The water pressure is weakened so that the radius is 10 feet. What is the area of lawn that will be covered?

- 28. Window Design** The window shown is in the shape of a semicircle. Find the area of the glass in the shaded region.

