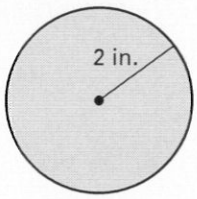
Name _____ Date _____

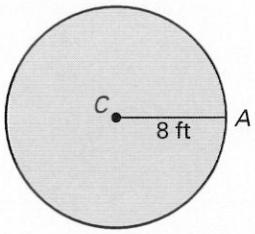
LESSON 11.2

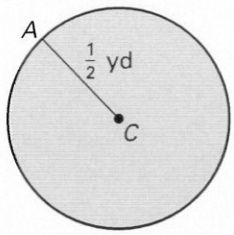
Practice A

For use with the lesson "Areas of Circles and Sectors"

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

1. 

2. 

3. 

Find the indicated measure.

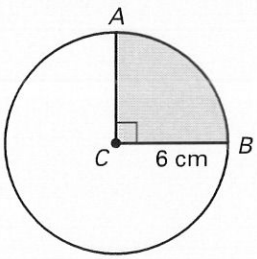
4. The area of a circle is 58 square inches. Find the radius.

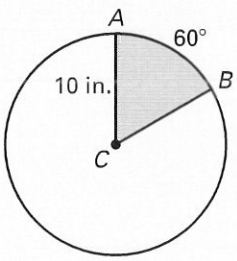
5. The area of a circle is 37 square meters. Find the radius.

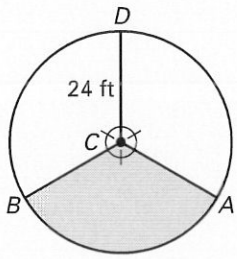
6. The area of a circle is 106 square centimeters. Find the diameter.

7. The area of a circle is 249 square feet. Find the diameter.

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

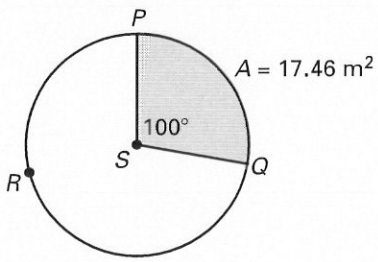
8. 

9. 

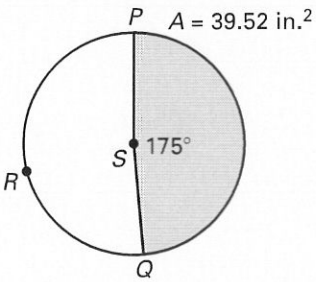
10. 

Use the diagram to find the indicated measure.

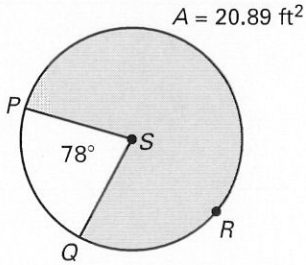
11. Find the area of $\odot S$.



12. Find the area of $\odot S$.



13. Find the radius of $\odot S$.



Name _____ Date _____

LESSON 11.2

Practice A *continued*

For use with the lesson "Areas of Circles and Sectors"

The area of $\odot Z$ is 124.44 square centimeters. The area of sector *XZY* is 28 square centimeters. Find the indicated measure.

14. Radius of $\odot Z$

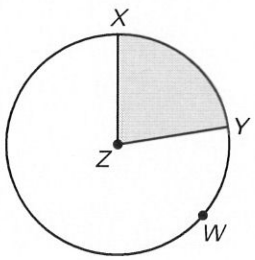
15. Circumference of $\odot Z$

16. $m\overset{\frown}{XY}$

17. Length of $\overset{\frown}{XY}$

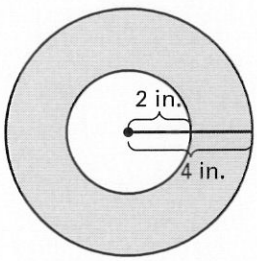
18. Perimeter of shaded region

19. Perimeter of unshaded region

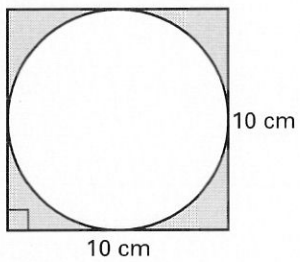


Find the area of the shaded region.

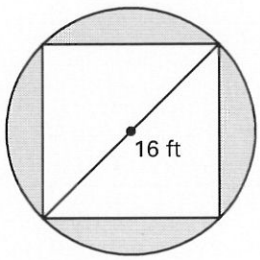
20.



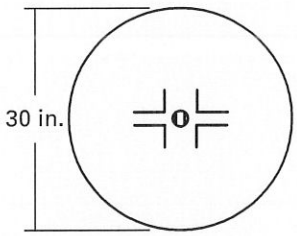
21.



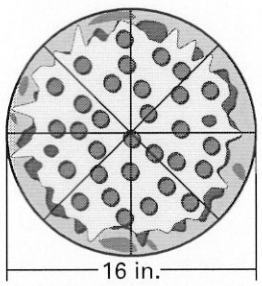
22.



23. **Hockey** A face-off circle from a hockey rink is shown at the right. The diameter of the circle is 30 inches. Find the area of the face-off circle.



24. **Pizza** A pizza is cut into 8 congruent pieces as shown. The diameter of the pizza is 16 inches. Find the area of one piece of pizza.



25. **Clock** A wall clock has an area of 452.39 inches. Find the diameter of the clock. Then find the area of the sector formed when the time is 3:00 as shown.