LESSON 10.1

NAME _____ DATE _____

Practice A

For use with pages 595–602

The diameter of a circle is given. Find the radius.

1. $d = 6$ in. **2.** $d = 24$ cm **3.** $d = 15$ ft **4.** $d = 9$ in.

The radius of a circle is given. Find the diameter.

5. $r = 11$ cm **6.** $r = 8$ ft **7.** $r = 10$ in. **8.** $r = 4.6$ cm

Match the notation with the term that best describes it.

9. D **A.** Center

10. $\overleftrightarrow{FH}$ **B.** Chord

11. $\overline{CD}$ **C.** Diameter

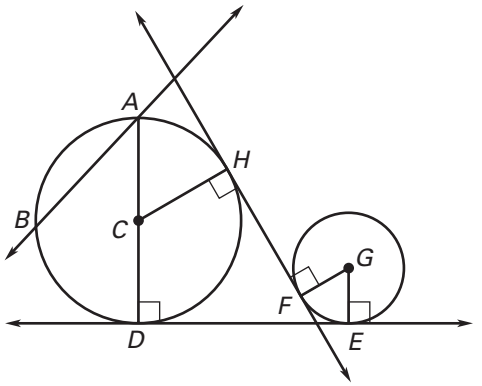
12. $\overline{AB}$ **D.** Radius

13. C **E.** Point of tangency

14. $\overline{AD}$ **F.** Common external tangent

15. $\overleftrightarrow{AB}$ **G.** Common internal tangent

16. $\overleftrightarrow{DE}$ **H.** Secant



Use the diagram at the right.

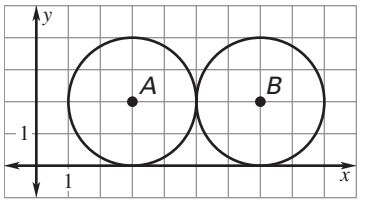
17. What are the center and radius of $\odot A$?

18. What are the center and radius of $\odot B$?

19. Describe the intersection of the two circles.

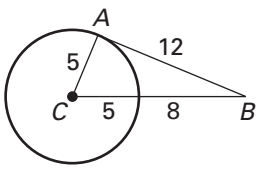
20. Describe all the common tangents of the two circles.

21. Are the two circles congruent? Explain.

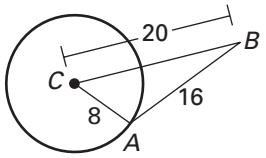


Tell whether $\overleftrightarrow{AB}$ is tangent to $\odot C$. Explain your reasoning.

22.



23.



24. ***Baseball Stadium*** The shape of the outfield fence in a baseball stadium is that of a quarter circle. If the distance from home plate to the wall is 330 feet, what is the radius of the entire circle? What is the diameter of the circle?