

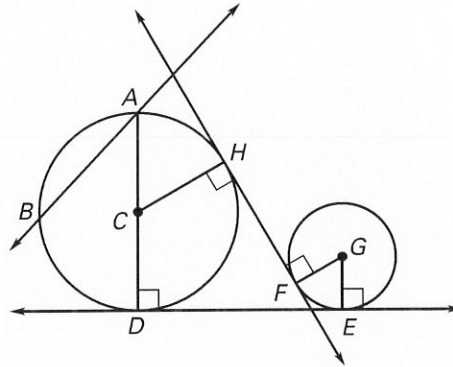
LESSON
10.1

Practice A

For use with the lesson "Use Properties of Tangents"

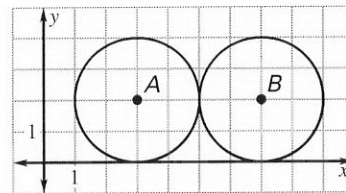
Match the notation with the term that best describes it.

- | | |
|------------------------------|----------------------------|
| 1. D | A. Center |
| 2. \overleftrightarrow{FH} | B. Chord |
| 3. \overline{CD} | C. Diameter |
| 4. \overline{AB} | D. Radius |
| 5. C | E. Point of tangency |
| 6. \overline{AD} | F. Common external tangent |
| 7. \overleftrightarrow{AB} | G. Common internal tangent |
| 8. \overleftrightarrow{DE} | H. Secant |



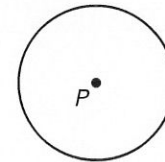
Use the diagram at the right.

9. What are the diameter and radius of $\odot A$?
10. What are the diameter and radius of $\odot B$?
11. Describe the intersection of the two circles.
12. Describe all the common tangents of the two circles.



Use $\odot P$ to draw the part of the circle described or answer the question.

13. Draw a diameter \overline{AB} .
14. Draw tangent line \overleftrightarrow{CB} .
15. Draw chord \overline{DB} .
16. Draw a secant through point A .
17. What is the name of a radius in the figure?



Tell how many common tangents the circles have and draw them.

- | | | |
|-----|-----|-----|
| 18. | 19. | 20. |
|-----|-----|-----|

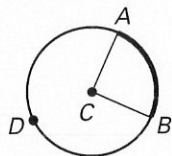
LESSON
10.2

Practice A

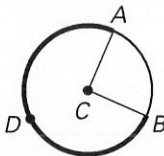
For use with the lesson "Find Arc Measures"

Name the arc shown in bold.

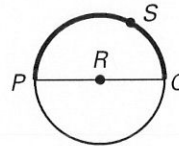
1.



2.



3.



\overline{AB} and \overline{FE} are diameters of $\odot C$. Determine whether the given arc is a *minor arc*, *major arc*, or *semicircle*.

4. \widehat{AE}

5. \widehat{AEB}

6. \widehat{FDE}

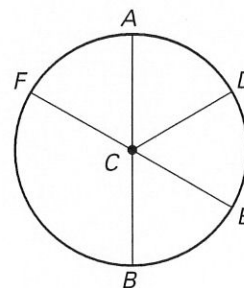
7. \widehat{DFB}

8. \widehat{FA}

9. \widehat{BE}

10. \widehat{BDA}

11. \widehat{FB}



In $\odot O$, \overline{MQ} and \overline{NR} are diameters. Find the indicated measure.

12. $m\widehat{MN}$

13. $m\widehat{NQ}$

14. $m\widehat{NQR}$

15. $m\widehat{MRP}$

16. $m\widehat{QR}$

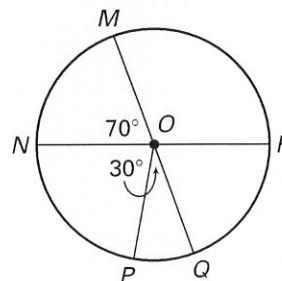
17. $m\widehat{MR}$

18. $m\widehat{QMR}$

19. $m\widehat{PQ}$

20. $m\widehat{PRN}$

21. $m\widehat{MQN}$



Find the indicated arc measure.

22. $m\widehat{AB}$

23. $m\widehat{ACB}$

24. $m\widehat{CA}$

