

Chapter Test C

For use after Chapter 10

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

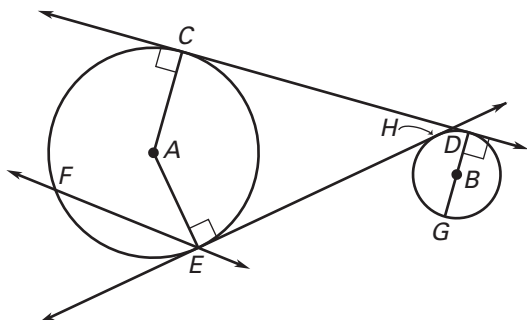
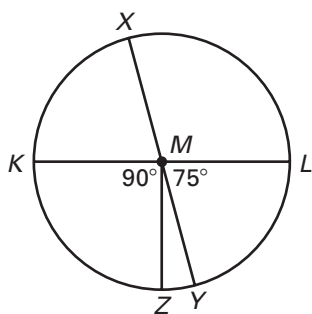
1. $d = 15.5$ ft 2. $d = 110$ in. 3. $d = 5$ m

The radius of $\odot M$ is given. Find the diameter of $\odot M$.

4. $r = 25$ cm 5. $r = 9.75$ ft 6. $r = 1.125$ m

Using the diagram below, match the notation with the term that best describes it.

- | | |
|----------------------------|------------------------------|
| 7. Common Internal Tangent | A. C |
| 8. Common External Tangent | B. B |
| 9. Point of Tangency | C. $\overline{AE}$ |
| 10. Chord | D. $\overleftrightarrow{EH}$ |
| 11. Center | E. $\overline{DG}$ |
| 12. Diameter | F. $\overline{FE}$ |
| 13. Secant | G. $\overleftrightarrow{FE}$ |
| 14. Radius | H. $\overleftrightarrow{CD}$ |

**In Exercises 15–20, $\overline{KL}$ and $\overline{XY}$ are diameters of $\odot M$. Find the indicated measure.**

15. $m\angle KMX$
 16. $m\widehat{YZ}$
 17. $m\widehat{ZYL}$
 18. $m\angle XML$
 19. $m\widehat{XLZ}$
 20. $m\widehat{KXY}$

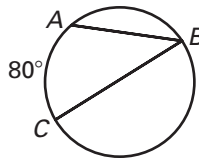
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

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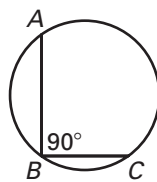
For use after Chapter 10

Find the unknown measure of angle ABC or arc AC .

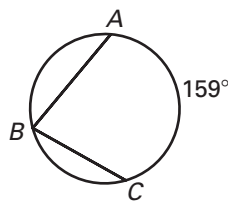
21.



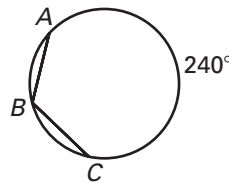
22.



23.

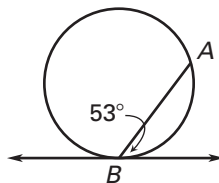


24.

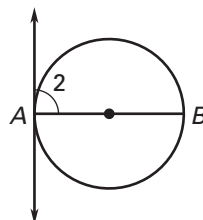


Find the indicated measure.

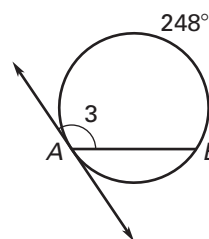
25. $m\widehat{AB}$



26. $m\widehat{AB}$

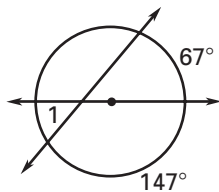


27. $m\angle 3$

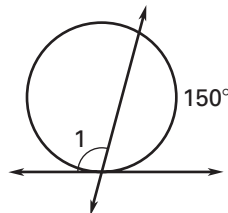


Find the measure of $\angle 1$.

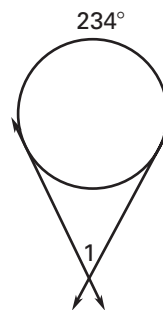
28.



29.

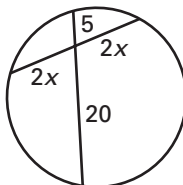


30.

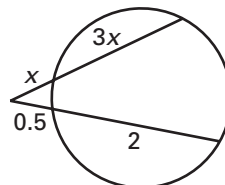


In Exercises 31 and 32, find the value of x .

31.



32.



33. Describe the locus of points in a plane 7.2 centimeters from a given point A.

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____

29. _____

30. _____

31. _____

32. _____

33. See left. _____