LESSON 10.1

NAME _____ DATE _____

Practice B

For use with pages 595–602

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

1. $d = 13$ in.
2. $d = 8$ cm
3. $d = 12.6$ ft
4. $d = 2$ ft 5 in.

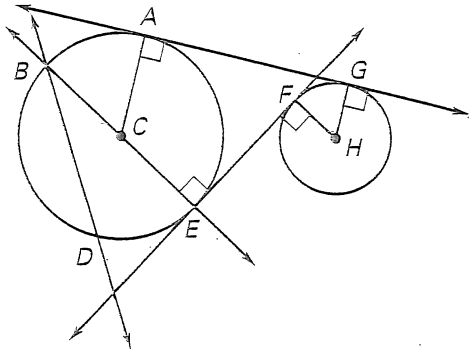
The radius of a circle is given. Find the diameter.

5. $r = 17$ cm
6. $r = 6.3$ ft
7. $r = 0.75$ in.
8. $r = 4.25$ ft

Match the notation with the term that best describes it.

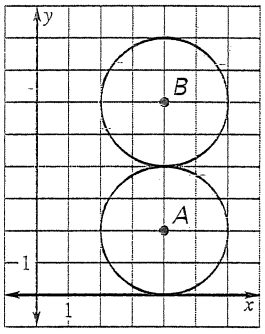
9. F
10. $\overleftrightarrow{FE}$
11. $\overline{HG}$
12. $\overline{DB}$
13. C
14. $\overline{BE}$
15. $\overleftrightarrow{DB}$
16. $\overleftrightarrow{AG}$

A. Center
B. Chord
C. Diameter
D. Radius
E. Point of tangency
F. Common external tangent
G. Common internal tangent
H. Secant



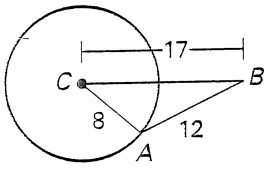
Use the diagram at the right.

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.



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

21.



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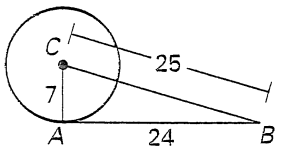
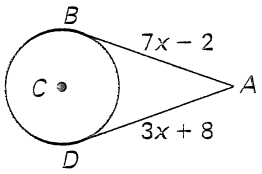


$\overleftrightarrow{AB}$ and $\overleftrightarrow{AD}$ are tangent to $\odot C$. Find the value of x.

23.



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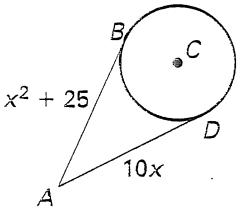

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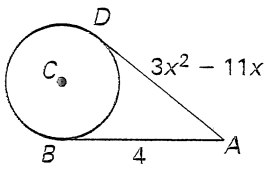

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