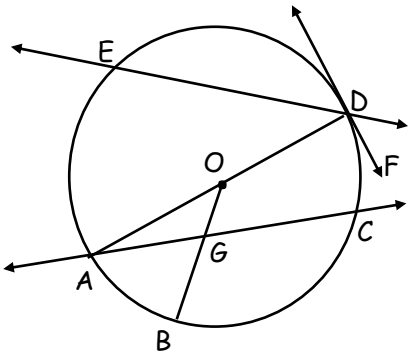
Per: ___ Name: _____

# Unit 9 Review

**Please be sure to show all your work.**

Use the diagram to identify the vocabulary term that best describes the given symbol.



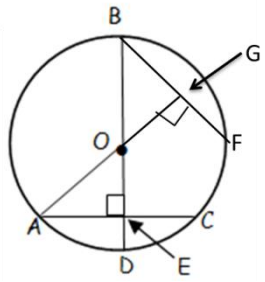

1. $\overline{OB}$ 2. $\overleftrightarrow{DF}$ 3. $\overline{AD}$ 4. $\angle EDA$ 5. $\overline{ED}$

6. $\overset{\frown}{AEC}$ 7. $\overset{\frown}{BC}$ 8. $\angle AOB$ 9. $\overset{\frown}{ACD}$ 10. $\overleftrightarrow{AC}$

**Use the diagram and each set of given information to solve for the missing value.**

11. $AC = 10$, $m\angle DOA = 45$. $OA =$ _____

12. $AE = 6$, $OD = 10$. $ED =$ _____




13. $BD = 26$, $EC = 12$. $OE =$ _____

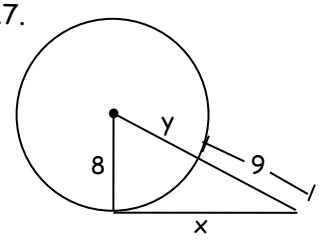
14. $m\angle OAE = 30°$. $\overset{\frown}{AD} =$ _____

15. $OE = OG$, $AE = 8$. $BF =$ _____

16. $AC = BF$, $\overset{\frown}{BF} = 88°$. $\overset{\frown}{AD} =$ _____

**Solve for the value of x and y in each of the following.**

17.

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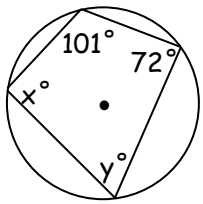
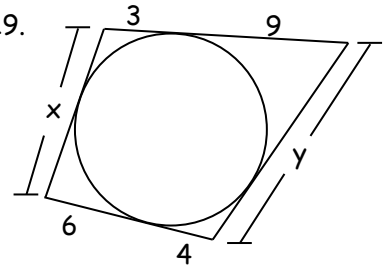



19.

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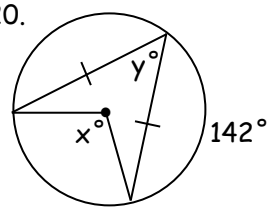


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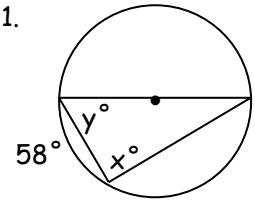


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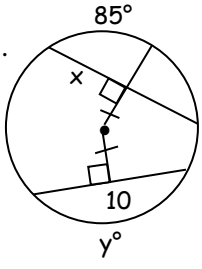
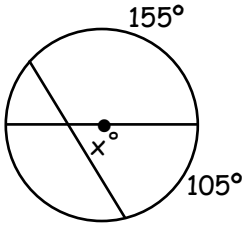


**Write an equation to solve for the degree measures or length in each of the following.**

23.

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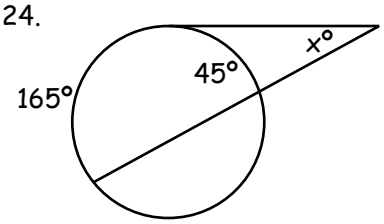


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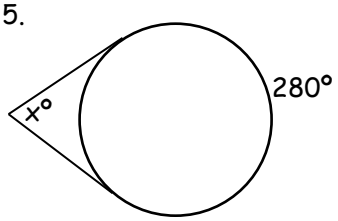


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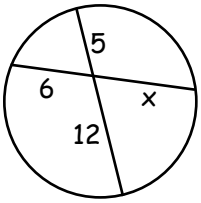


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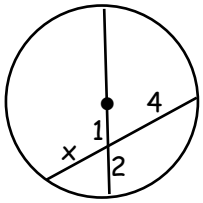


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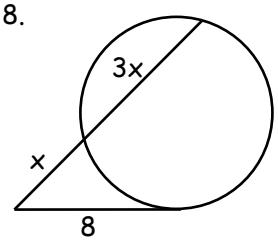
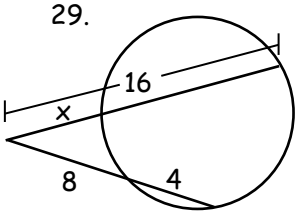



29.

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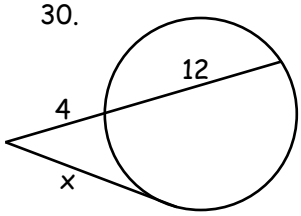
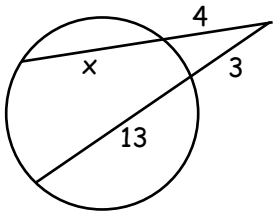
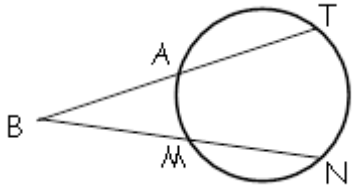



31.

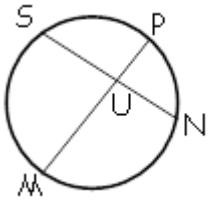



**Solve for the missing angle, arc measure or length. <u>Show work by writing an equation</u>.**

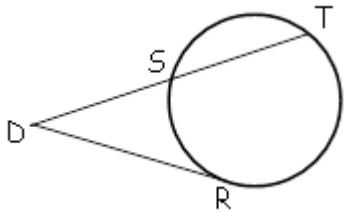
32. If m $\overset{\frown}{AM}$ = 53° and m $\overset{\frown}{TN}$ = 87°. Find ∠ TBN




33. If SU = 9, PU = 3, and SN = 13. Find MU




34. If DR = 6, DS = 4. Find ST




35. If $\overset{\frown}{RA}$ = 53° and m ∠ CVA = 93°. Find m $\overset{\frown}{IC}$