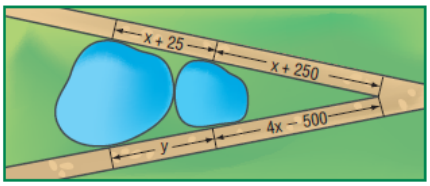
10 5 10.6 ACC HW

10-5 and 10-6 HW Tangents and Secants

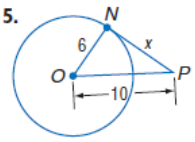
Pg 593 # 3, 5-7, 10, 13-22, 27 and Pg 603 #6-26

3. LANDSCAPE ARCHITECT A landscape architect is planning to pave two walking paths beside two ponds, as shown. Find the values of x and y. What is the total length of the walking paths?



Find x. Assume that segments that appear to be tangent are tangent.

5.



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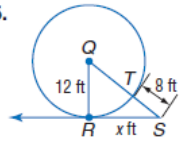

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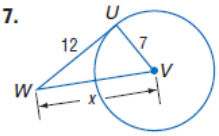

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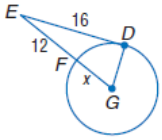
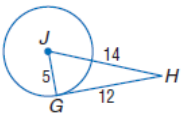
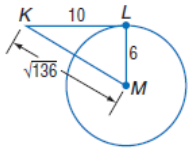


Determine whether each segment is tangent to the given circle.

13. $\overline{GH}$

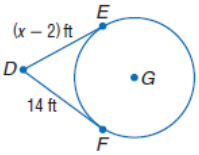


14. $\overline{KL}$



Find x. Assume that segments that appear to be tangent are tangent.

15.



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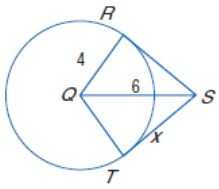

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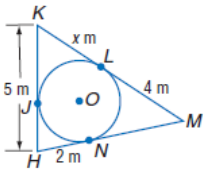

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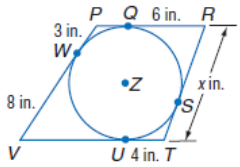
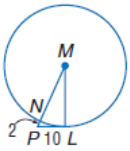
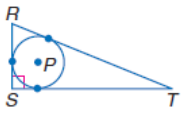


Find the perimeter of each polygon for the given information.

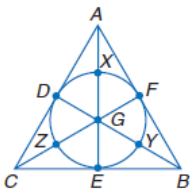
19.



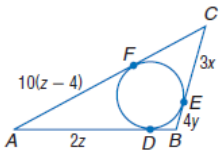
20. $ST = 18$, radius of $\odot P = 5$



21. $BY = CZ = AX = 2$
radius of $\odot G = 3$



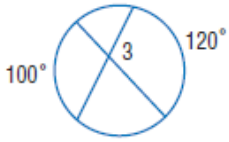
22. $CF = 6(3 - x)$, $DB = 12y - 4$



10 5 10.6 ACC HW

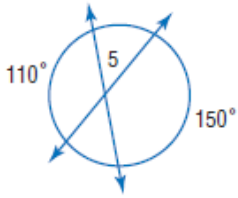
Find each measure.

6. $m\angle 3$

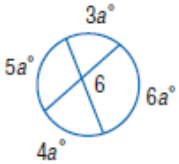


7. $m\angle 4$

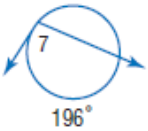
8. $m\angle 5$



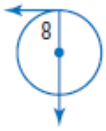
9. $m\angle 6$



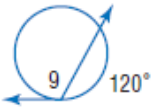
10. $m\angle 7$



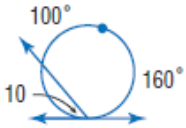
11. $m\angle 8$



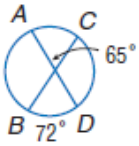
12. $m\angle 9$



13. $m\angle 10$

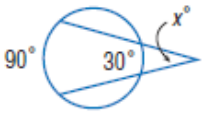


14. $m\widehat{AC}$



Find x. Assume that any segment that appears to be tangent is tangent.

15.



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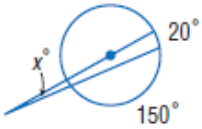

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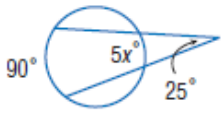

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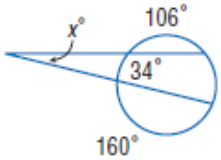

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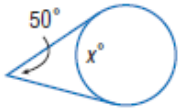

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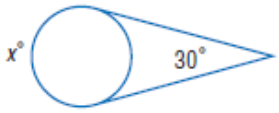

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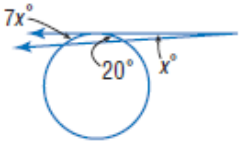

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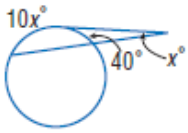

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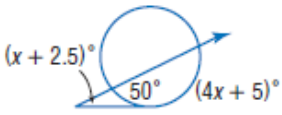

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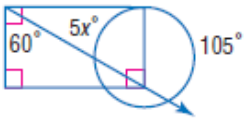

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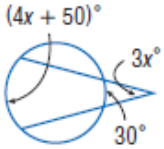

26.