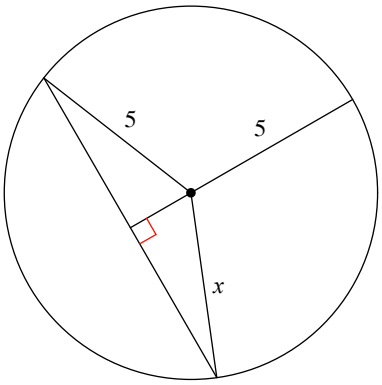
Secondary Math 2 Honors Name_____

# 9.2 Tangents, Secants, and Chords

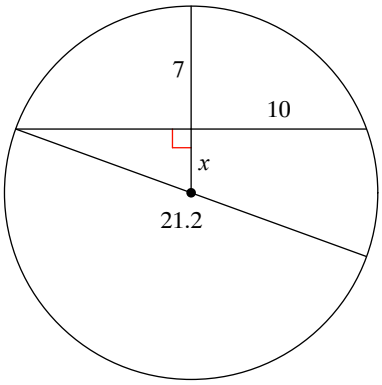
Date_____ Period____

**Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.**

1)




2)

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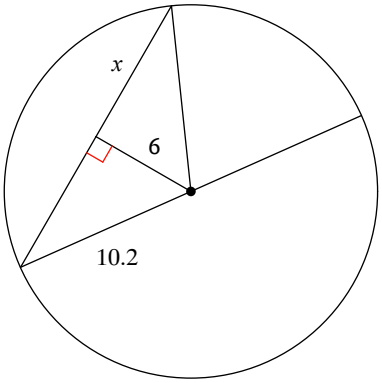
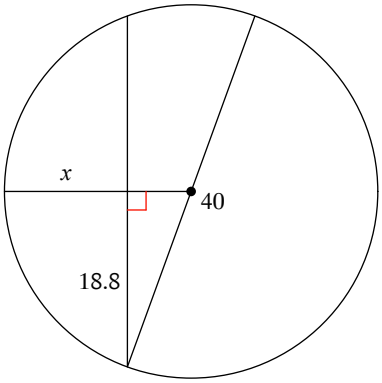
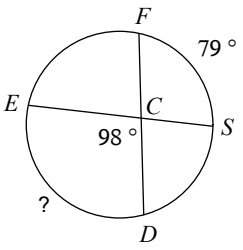



4)




**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

5)

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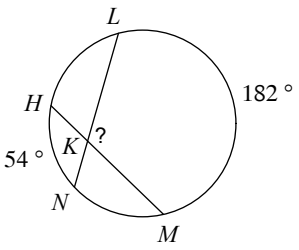
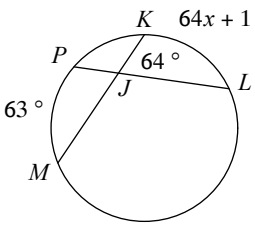
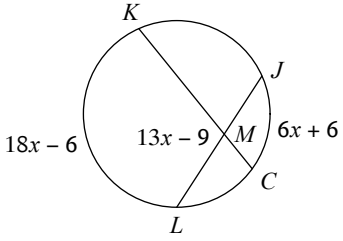



**Solve for *x*. Assume that lines which appear tangent are tangent.**

7)

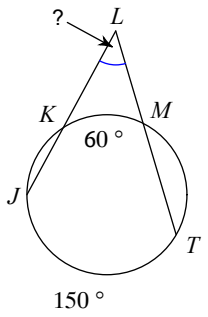



8)



**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

9)

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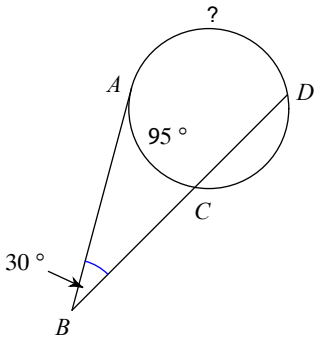


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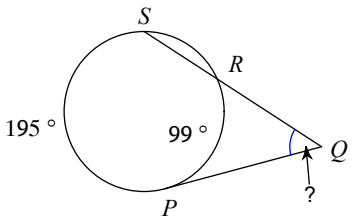


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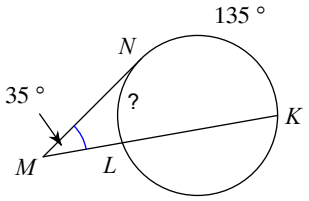
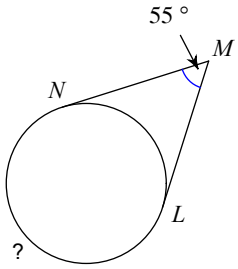



13)

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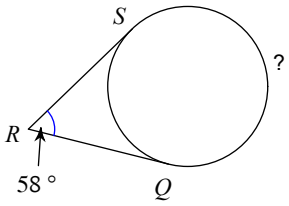
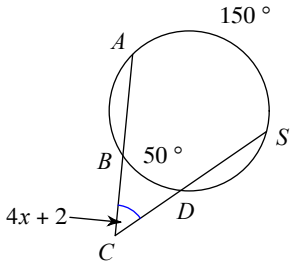
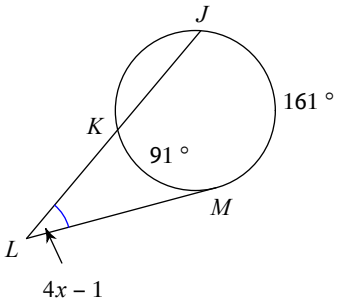



**Solve for *x*. Assume that lines which appear tangent are tangent.**

15)




16)



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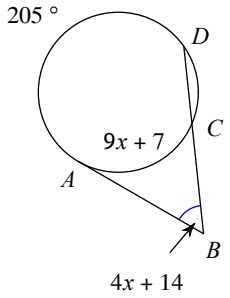


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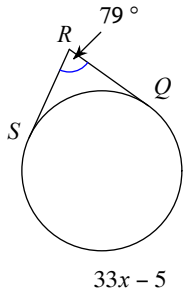
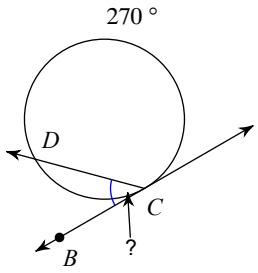
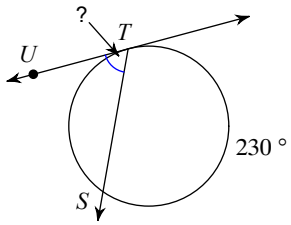



**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

19)

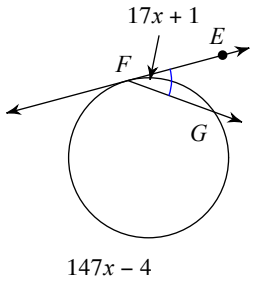



20)




**Solve for *x*. Assume that lines which appear tangent are tangent.**

21)




22)