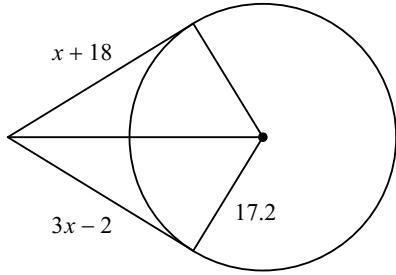


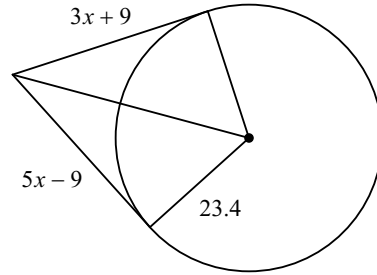
11.5 ~ Tangents & Secants

Use the Tangent Segment Theorem to set up and solve an equation to find the value of  $x$ . Assume that lines which appear to be tangent are tangent.

1)



2)

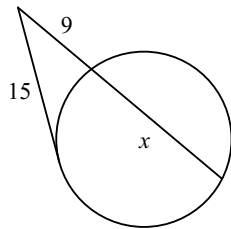


Refer to Problem 1.

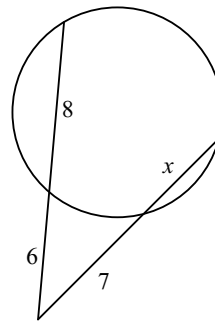
3) What would be the length of the segment that connects the external point and the center of the circle?

Use the Secant Segment Theorem or the Secant Tangent Theorem to set up and solve an equation to find the value of  $x$ . Assume that lines which appear tangent are tangent.

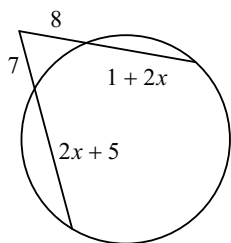
4)



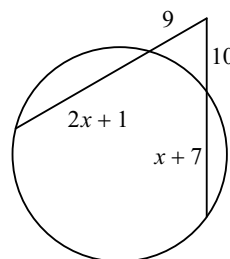
5)



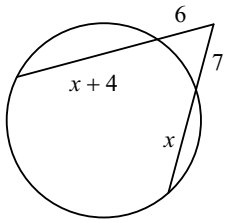
6)



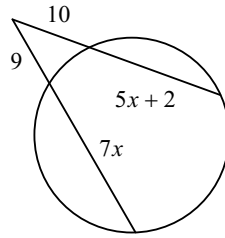
7)



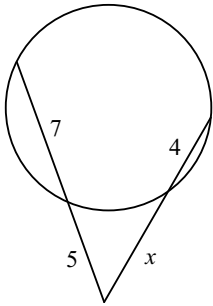
8)



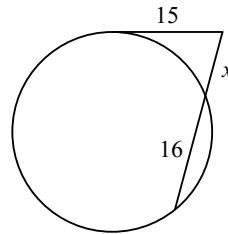
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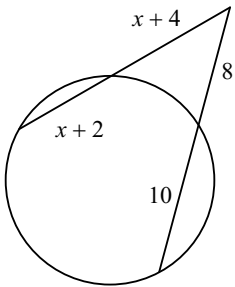
10)



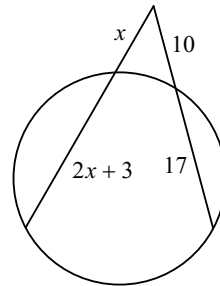
11)



12)

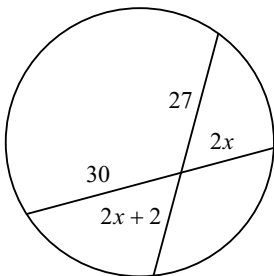


13)



**Use the Segment Chord Theorem to set up and solve an equation to find the value of  $x$ .**

14)



15)

