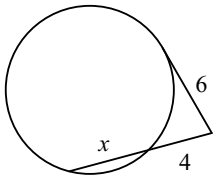
11.REV.5 ~ Lessons 11.5 - 12.3

Past due on_____ Period____

Set up and solve an equation to find the value of *x*. Assume that lines which appear tangent are tangent.

1)



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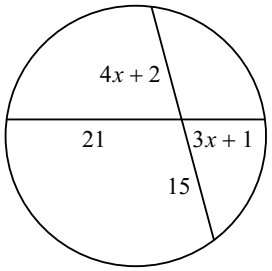

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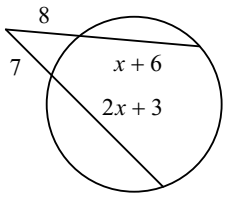

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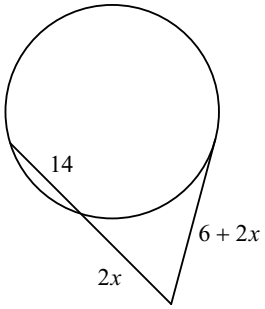

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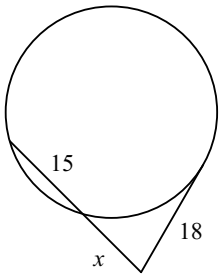

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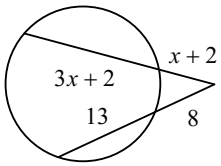
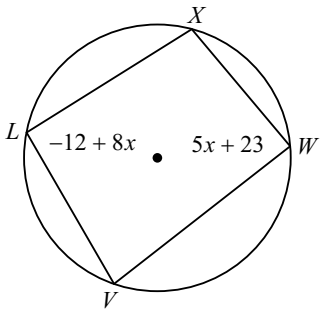


Use the Inscribed Right Triangle Theorem or the Inscribed Quadrilateral Theorem to set up and solve an equation to find the value of *x*.

7)



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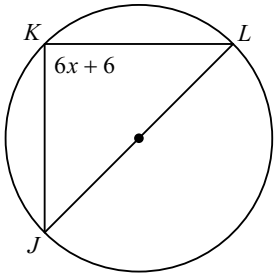
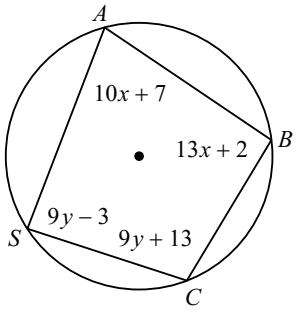


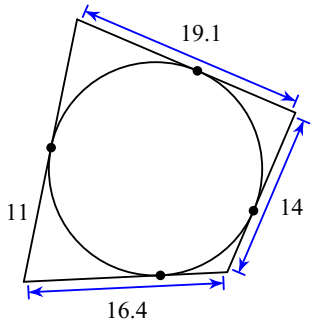
Use the Inscribed Quadrilateral Theorem to set up and solve a system of equations to find the values of *x* and *y*.

9)



Consider the quadrilateral shown, which is circumscribed about a circle. Use the Tangent Segment Theorem to determine the perimeter of the quadrilateral.

10)



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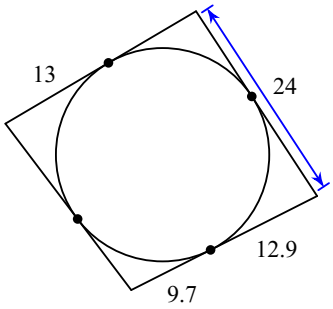
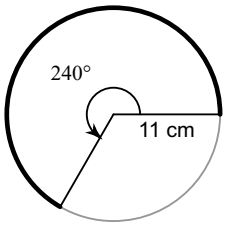
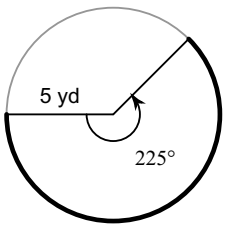


Find the length of each arc. Express your answer in terms of π and as a decimal rounded to the nearest hundredth.

12)

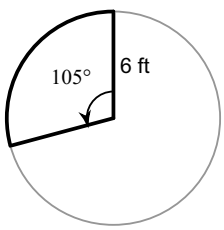


13)



Find the area of each sector. Express your answer in terms of π and as a decimal rounded to the nearest hundredth.

14)



15)