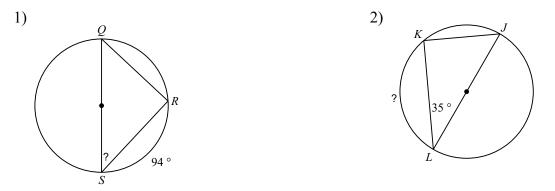
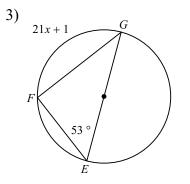
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The Inscribed Right Triangle-Diameter Theorem states: "If a triangle is inscribed in a circle such that one side of the triangle is a diameter of the circle, then the triangle is a right triangle.

Use the Inscribed Right Triangle-Diameter Theorem to find the measure of the arc or angle indicated.

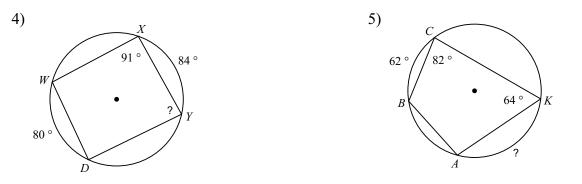


Use the Inscribed Right Triangle-Diameter Theorem to set up and solve an equation to find the value of *x*.

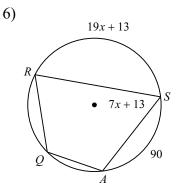


The Inscribed Quadrilateral-Opposite Angles Theorem states: "If a quadrilateral in inscribed in a circle, then the opposite angles are supplementary."

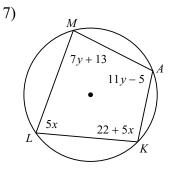
Use the Inscribed Quadrilateral-Opposite Angles Theorem to find the measure of the arc or angle indicated.



Use the Inscribed Quadrilateral-Opposite Angles Theorem to set up and solve an equation to find the value of *x*.

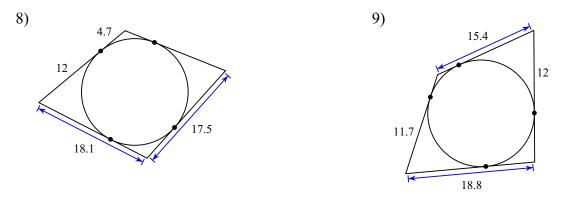


Use the Inscribed Quadrilateral-Opposite Angles Theorem to set up and solve a system of equations to find the value of x and y.



The Tangent Segment Theorem states: "If two segments are drawn from the same point on the exterior of a circle, then the tangent segments are congruent."

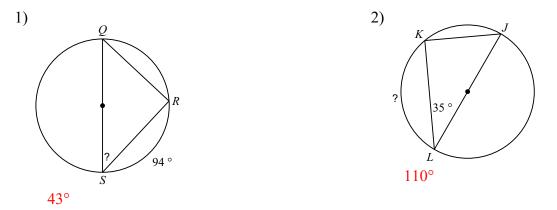
Consider the quadrilateral shown, which is circumscribed about a circle. Use the Tangent Segment Theorem to determine the perimeter of each quadrilateral.



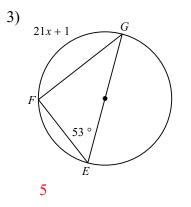
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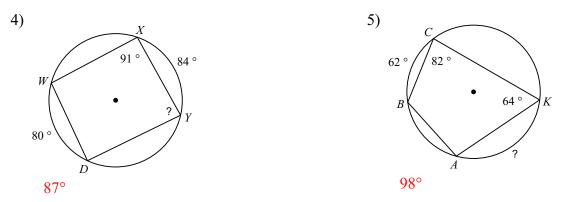


Use the Inscribed Right Triangle-Diameter Theorem to set up and solve an equation to find the value of *x*.

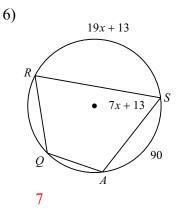


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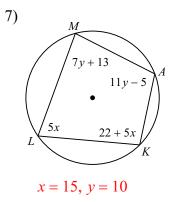
Use the Inscribed Quadrilateral-Opposite Angles Theorem to find the measure of the arc or angle indicated.



Use the Inscribed Quadrilateral-Opposite Angles Theorem to set up and solve an equation to find the value of *x*.

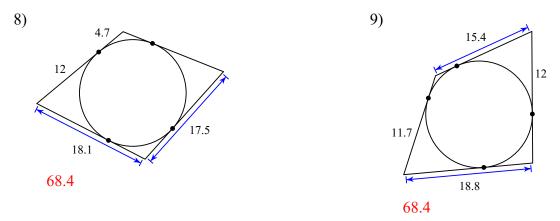


Use the Inscribed Quadrilateral-Opposite Angles Theorem to set up and solve a system of equations to find the value of x and y.



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



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