

Name:

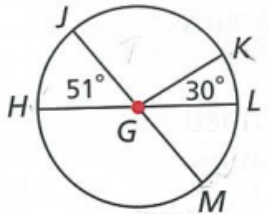
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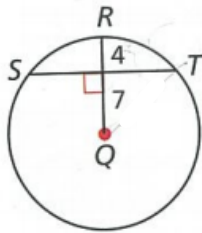
HW #10-11: Test Review

- Given the measures of segments $WX = 0.8x + 1.2$ and $WY = 2.4x$ that are tangent to a circle, find WY .

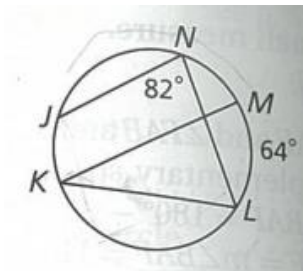
- Find $m\widehat{KM}$ and $m\widehat{JK}$.



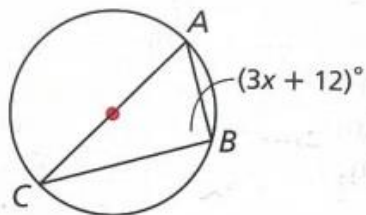
- Find ST . Give exact answers and also round to two decimal places.



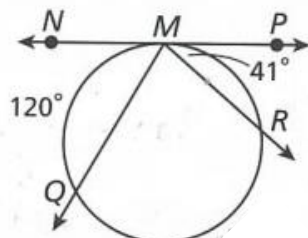
- Find $m\widehat{L}$.



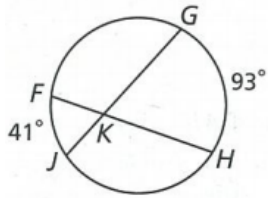
- Find the value of x .



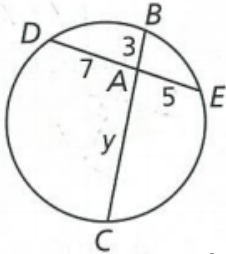
- Find $m\widehat{MR}$.



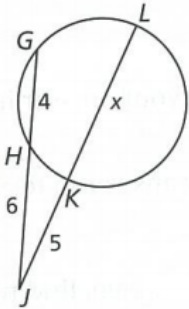
7. Find $m\angle GKH$



8. Find the length of each chord.



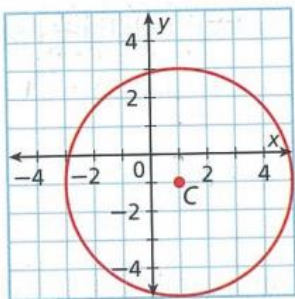
9. Find the value of x and the length of each secant segment.



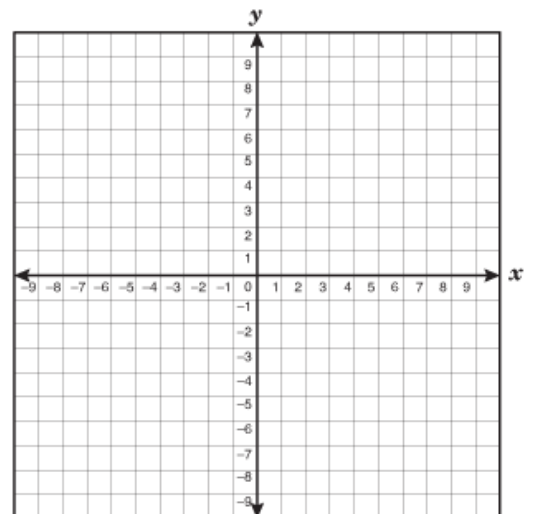
10. Write the equation of a circle that has a center of $(-4, -3)$ and a radius of 3.

11. Write the equation of the circle that passes through $(-2, -2)$ and has a center of $(-2, 0)$

12. Write the equation for the circle, given in the graph below.

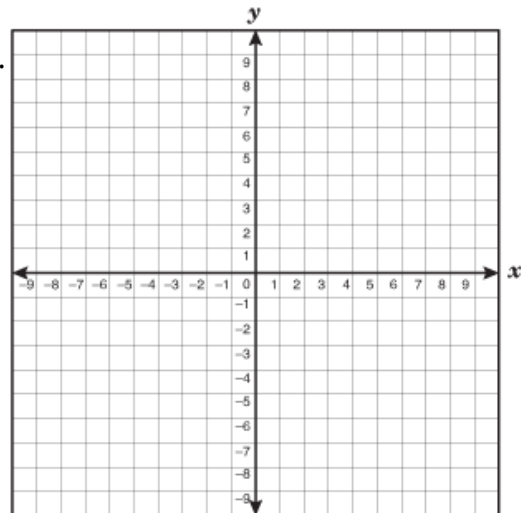


13. Graph $(x + 2)^2 + (y - 2)^2 = 16$ in the coordinate plane at right.

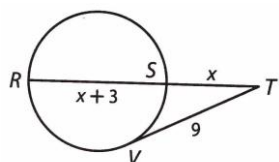


14. Rewrite the equation of the circle in standard form. Then graph the circle.

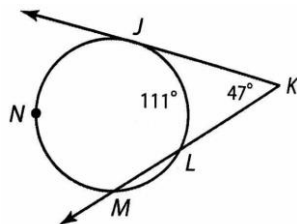
$$x^2 + y^2 - 4x - 2y = -1$$



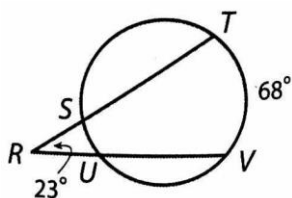
15. Find the value of x . Round to hundredth.



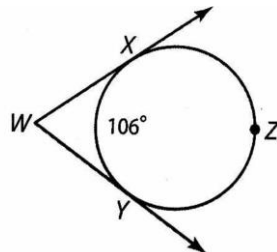
16. Find $m\widehat{LM}$



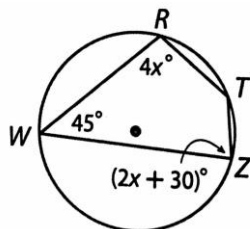
17. Find $m\widehat{SU}$



18. Find $m\angle W$

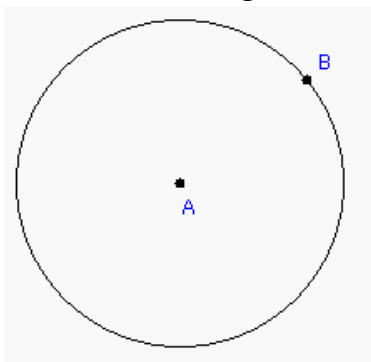


19. Find $m\angle R$.

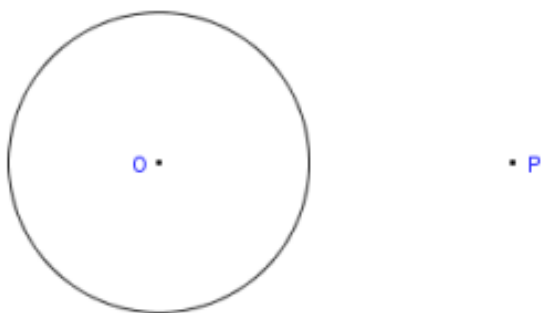


20. Complete the following constructions! You can find YouTube links on the classroom calendar. *Remember, for the construction of a circle through 3 noncollinear points, it is the construction for the CIRCUMCENTER of a triangle!*

- a. Construct the line tangent to the point on the circle.



- b. Construct the line tangent to the point outside the circle.



- c. Construct the circle that passes through all three points given.

