

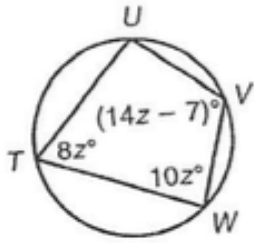
Name:

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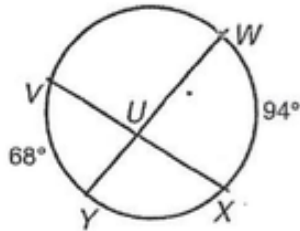
Period:

HW #10-11: Test Review

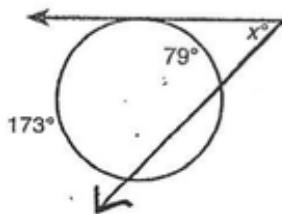
1. Find the measure of each angle in quadrilateral TUVW.



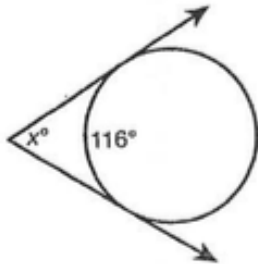
2. Find $m\angle YUX$.



3. Find the value of x .



4. Find the value of x , the angle measure formed by the tangent lines.

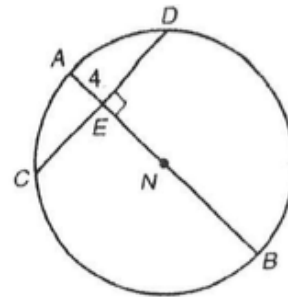


5. Solve the system of equations.
 $x^2 + y^2 = 34$
 $x + y = 8$

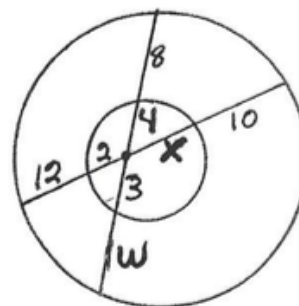
6. Write the standard equation of the circle:
 $x^2 + 10x + y^2 - 12y = -10$

7. Write the standard equation of a circle that is tangent to the x -axis and has a center located at $(7, 4)$.

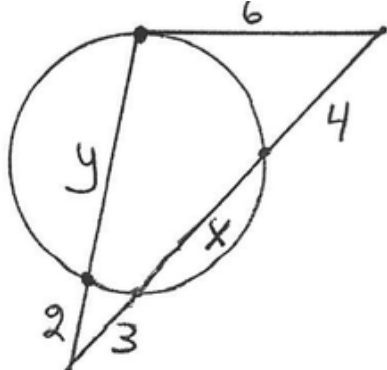
8. If $CD = 18$ and $AE = 4$, find the radius of the circle. Exact answer.



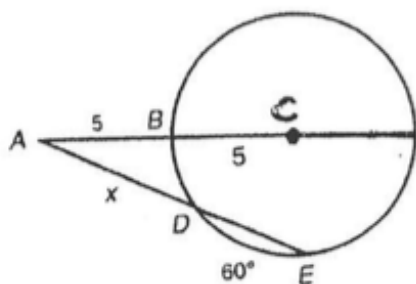
9. Find the values of x and w . Exact answers.



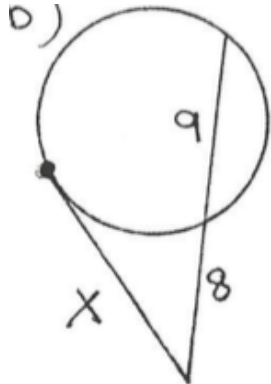
10. Find the values of x and y . The segment with length of 6 is a tangent.



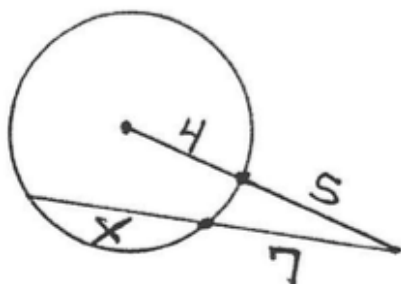
11. Find x to the nearest hundredth.



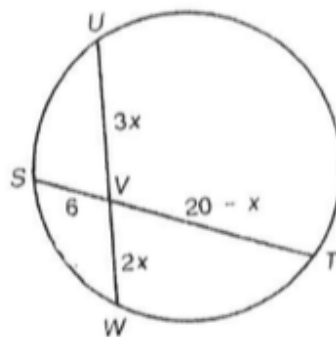
12. Find the value of x . Exact answer.



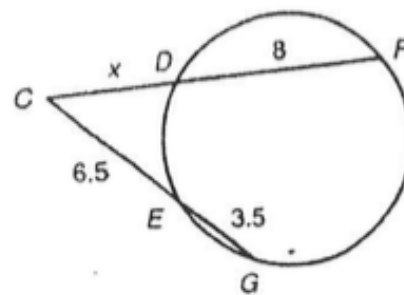
13. Find the value of x . Exact answer.



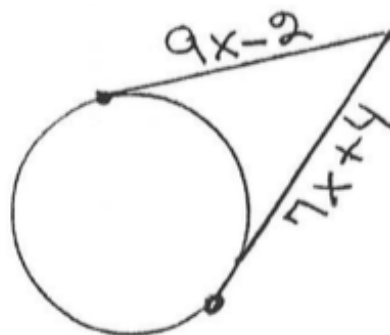
14. Solve for x .



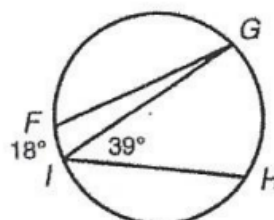
15. Solve for x .



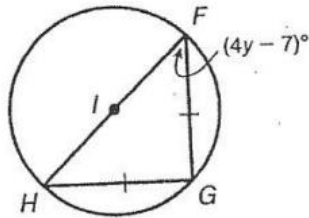
16. Solve for x .



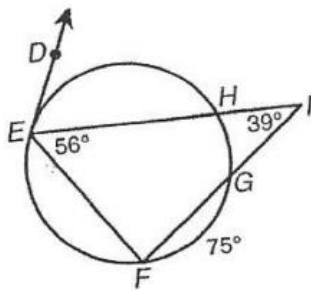
17. Find $m\angle FGI$ and $m\widehat{GH}$.



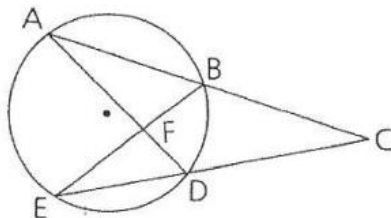
18. Find the value of y .



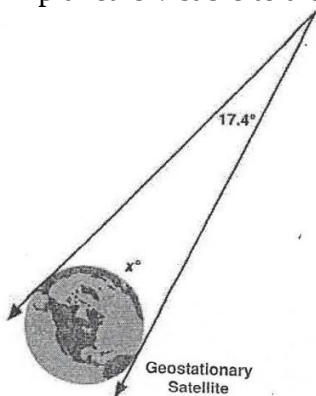
19. Find $m\angle DEI$ and $m\widehat{EF}$.



20. Given $m\angle AFE = 89^\circ$ and $m\angle C = 15^\circ$, find $m\widehat{AE}$ and $m\widehat{BD}$.

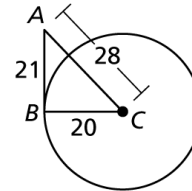


21. A geostationary satellite is about 35,800 km above the earth. How many arc degrees of the planet is visible to a camera on the satellite?



22. Identify the center of the circle and the length if its radius: $(x + 3)^2 + (y - 2)^2 = 256$

23. Is $\overline{AB}$ a tangent segment? Justify your answer.



24. Two circles with radii 4 and 12 have centers 34 units apart. Find the length of a common internal tangent. Draw a diagram.