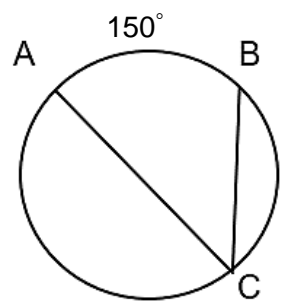
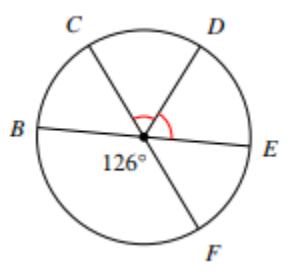


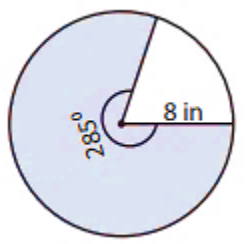
_____ 1. What is the measure of $\angle C$?



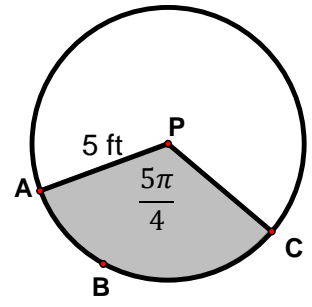
_____ 2. What is the measure of arc EFC?



_____ 3. Find the **arc length** of the shaded region. Round to the hundredths place.



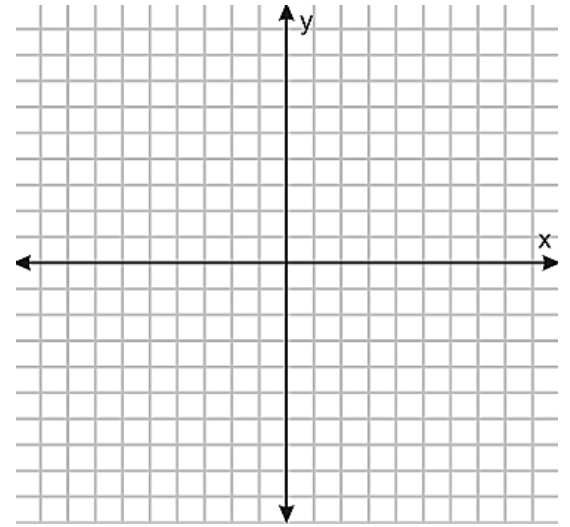
_____ 4. Find the **area of sector** of the shaded region. Leave in terms of π .



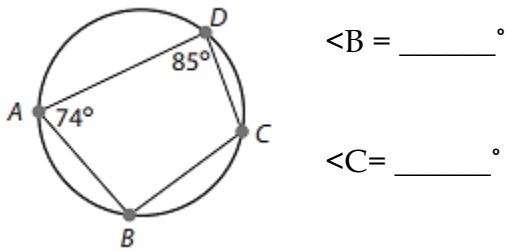
5. a) Write the circle equation $x^2 + y^2 - 6x + 4y - 3 = 0$ in standard form.

b) Identify the Center: _____ Radius: _____

6. Write the equation of the circle with a center at $(-2, 3)$ and tangent to the x -axis. Then graph the circle.

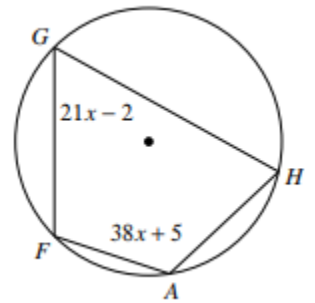


7. Find the missing angles.

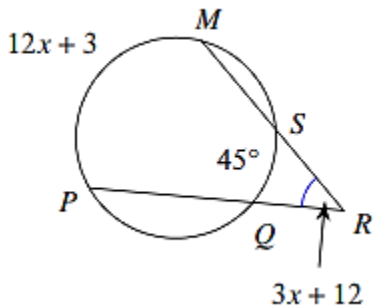


8. Solve for x .

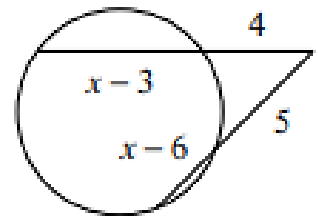
$x = \underline{\hspace{2cm}}$



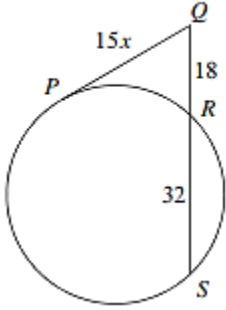
9. Solve for x .



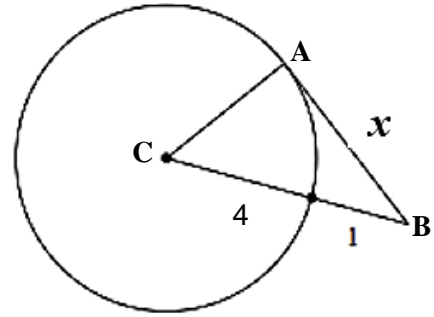
10. Solve for x .



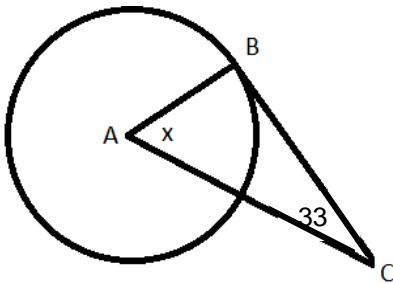
11. Solve for x .



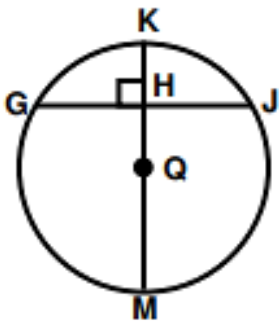
12. AB is tangent to Circle C. Find x .



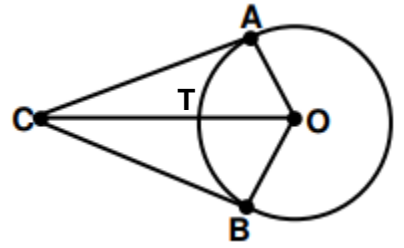
13. BC is tangent to Circle A. Find x .



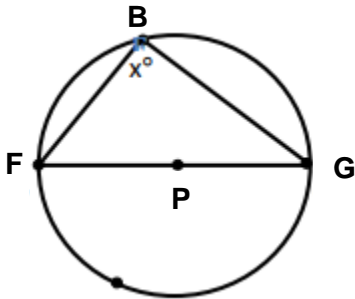
14. In the diagram to the right, diameter KM is perpendicular to chord GJ and intersects at H. If $MH = 16$, and $KH = 4$. What is HJ?



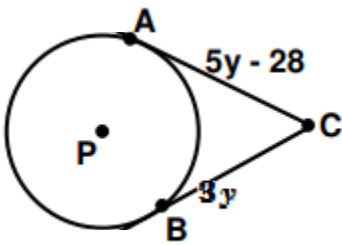
15. In the figure to the right, AC and BC are tangent to circle O . If $OT = 5$ cm and $BC = 12$ cm, what is the length of OC ?



16. In the diagram below, isosceles triangle BFG is inscribed in circle P with diameter FG . Find x .



17. Find the length of AC .



18. The measure of arc $ADC = 298^\circ$.
Find the measure of x .

