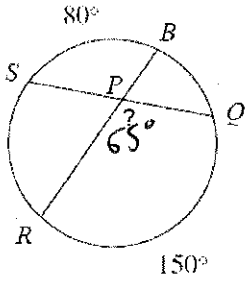


Name: Kay Date: _____

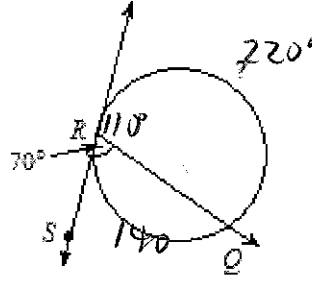
All Angles Homework

Find the measure of the arc or angle indicated:

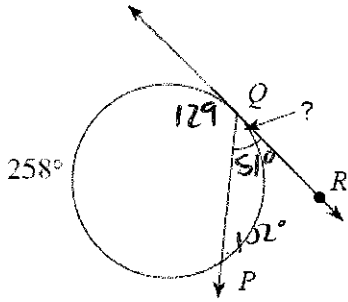
1)



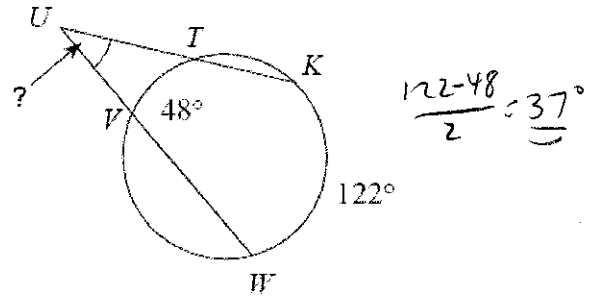
2)



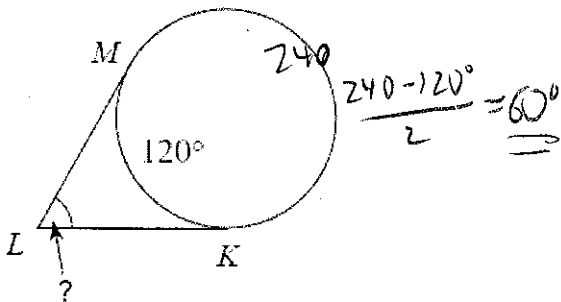
3)



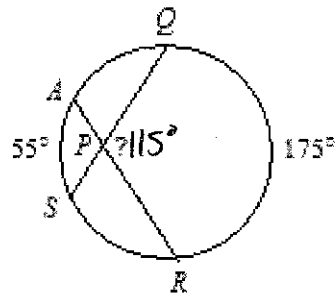
4)



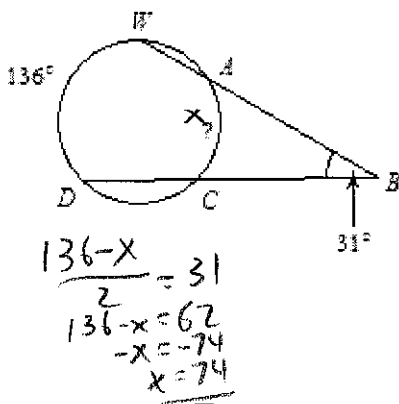
5)



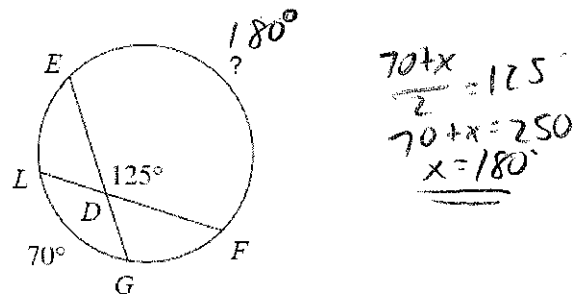
6)



7)



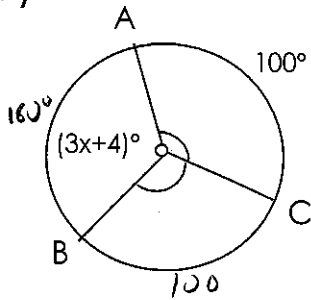
8)



Challenge Problems:

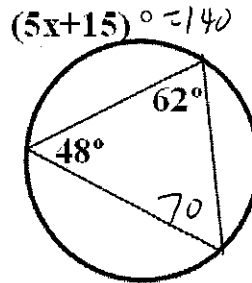
Find x.

9)



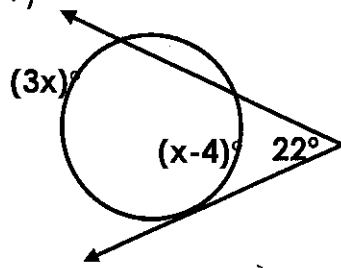
$$\begin{aligned} 3x+4 &= 160 \\ 3x &= 156 \\ \underline{x} &= \underline{52} \end{aligned}$$

10)



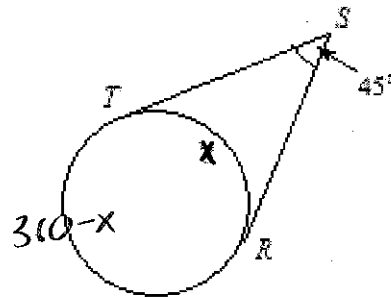
$$\underline{\underline{x = 25}}$$

11)



$$\begin{aligned} \frac{3x - (x-4)}{2} &= 22 \\ \frac{3x - x + 4}{2} &= 22 \\ 2x + 4 &= 44 \\ 2x &= 40 \\ \underline{\underline{x}} &= \underline{\underline{20}} \end{aligned}$$

12)



$$\begin{aligned} \frac{(360-x) - x}{2} &= 45 \\ \frac{360 - 2x}{2} &= 45 \\ 360 - 2x &= 90 \\ -2x &= -270 \\ \underline{\underline{x}} &= \underline{\underline{135}} \end{aligned}$$