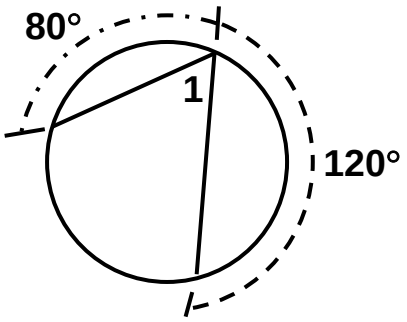
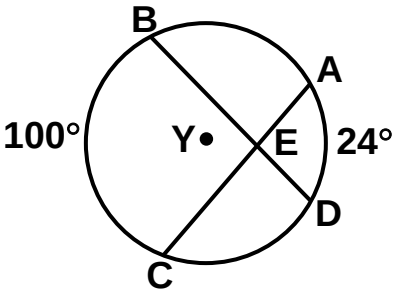
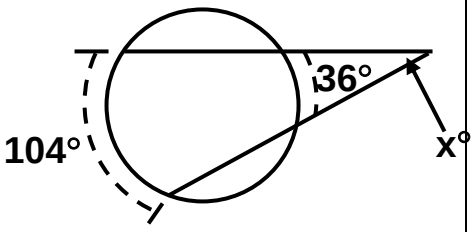
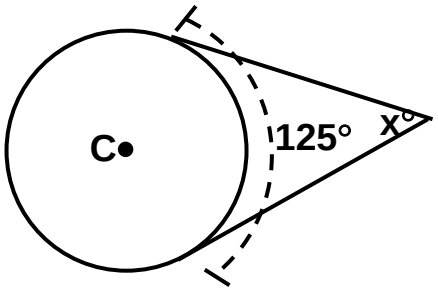
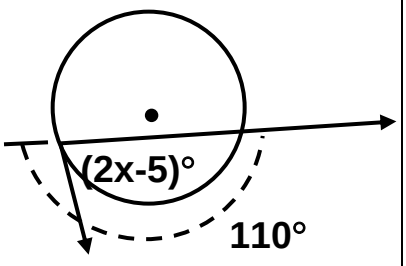
NAME_____ DATE_____ PER._____

MORE CIRCLES: EXTRA PRACTICE

_____1.	Find the measure of ∠1. 
_____2.	In the accompanying diagram, chords $\overline{AC}$ and $\overline{BD}$ intersect in the circle at E. If $m\widehat{BC}$ = 100º and $m\widehat{AD}$ = 24º, find $m\angle AED$. 
_____3.	Find the value of 'x'. 
_____4.	Find the value of 'x'. 
_____5.	Find the value of 'x'. 

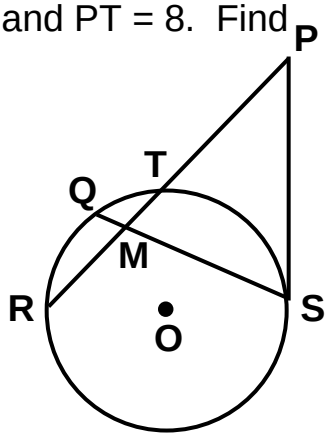
6. Which type of quadrilateral(s) can <u>always</u> be inscribed in a circle?

Parallelogram, Kite, Rhombus, Isosceles Trapezoid

Why?

7. What is the equation of a circle with center (2, -5) and which has the same radius as the circle $x^2 + y^2 + 6x + 8y - 24 = 0$?

_____8. In the diagram of circle O, $\overline{PS}$ is a tangent. The length of $\overline{RM}$ is two times the length of $\overline{TM}$, QM = 2, SM = 16, and PT = 8. Find PS.



_____9. In a circle, a chord of 10 cm bisects a chord of 8 cm. Find the length of the shorter segment of the 10-centimeter chord.

_____10. Find the measure of ∠1