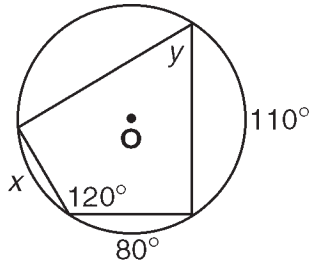


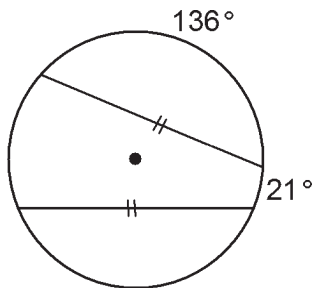
Name: _____
 CC Geometry Homework

More Work with Inscribed Angles

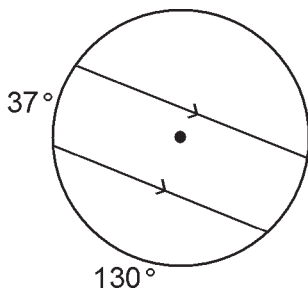
- 1) For the given circle, find the value of x and y .
 [Show all work.]



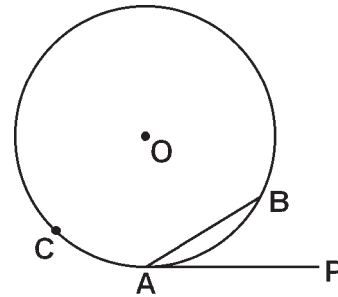
- 2) For the diagram below, solve for every unknown arc measure. [Add these values to the diagram.]
 [Show all work.]



- 3) For the diagram below, solve for every unknown arc measure. [Add these values to the diagram.]
 [Show all work.]

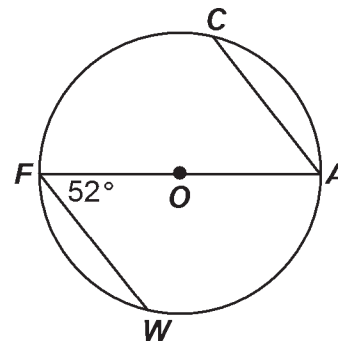


- 4) In the diagram below, \overline{PA} is tangent to circle O, and \overline{AB} is a chord.



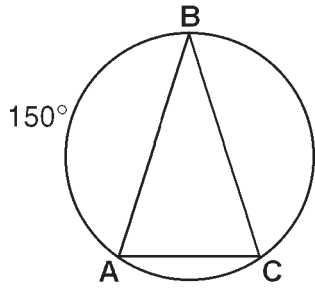
If $m\widehat{ACB} = 300^\circ$, find the measure of $\angle BAP$.

- 5) In the accompanying diagram of circle O, chords \overline{AC} and \overline{WF} are drawn, \overline{AOF} is a diameter, $\overline{AC} \parallel \overline{WF}$, and $\angle AFW = 52^\circ$.



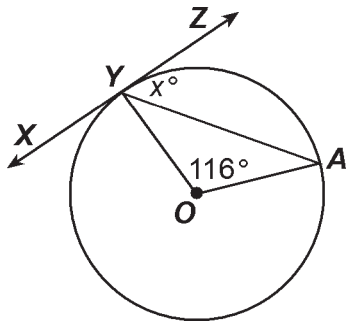
What is $m\widehat{AC}$?

- 6) In the accompanying diagram, isosceles $\triangle ABC$ is inscribed in the circle.



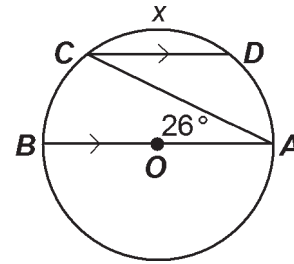
If $\overline{AB} \cong \overline{CB}$ and $m\widehat{AB} = 150^\circ$, find $m\angle B$. [Show all work.]

- 7) In the diagram below, \overline{XZ} is tangent to circle O at point Y .

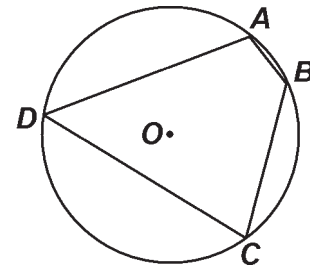


What is the measure of $\angle x$? [Show all work and explain your reasoning.]

- 8) For the given circle, find the value of x . [Show all work.]



- 9) Quadrilateral $ABCD$ is inscribed in circle O .



If $m\angle A = 107^\circ$ and $m\angle B = 126^\circ$, what are the measures of arcs \widehat{BAD} and \widehat{ABC} ?