Name:_____ Date:_____ Period:_____
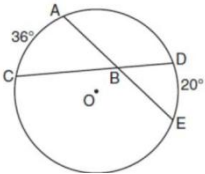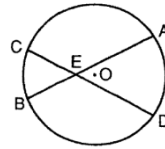Circles Review Sheet   Geometry Honors

Circles Review Sheet

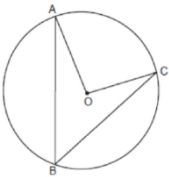**For the following questions, solve using your knowledge of circles.**

1) In the diagram below of circle O, chords $\overline{AE}$ and $\overline{DC}$ intersect at point B, such that $m\widehat{AC} = 36$ and $m\widehat{DE} = 20$. Find $m < ABC$ and $m < ABD$.
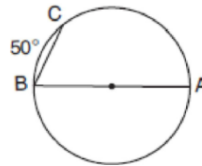

2) In the accompanying diagram, chords $\overline{AB}$ and $\overline{CD}$ intersect at E. If $m\widehat{AD} = 70$ and $m\widehat{BC} = 40$, find $m < CEA$.
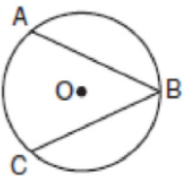

3) In the following diagram of circle O, $\overline{AB}$ and $\overline{BC}$ are chords and $m < AOC = 94$. What is $m < ABC$?
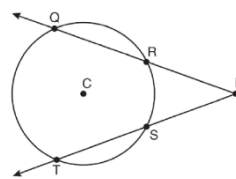

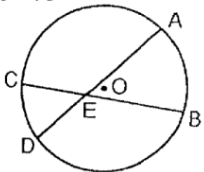4) In the accompanying diagram, $\overline{BA}$ is a diameter and $m\widehat{BC} = 50$. Find $m < CBA$.

5) In the accompanying diagram of circle O, $m\widehat{ABC} = 260$. What is $m < ABC$?
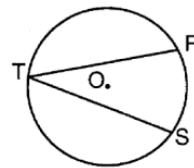

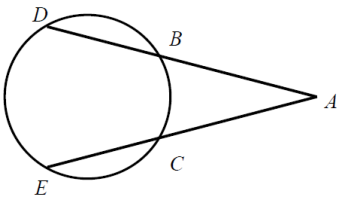6) In the accompanying diagram of circle C, $m\widehat{QT} = 140$, and $m < P = 40$. What is $m\widehat{RS}$?

7) In the accompanying diagram of circle O, $m\widehat{AB} = 64$ and $m < AEB = 52$. What is the $m\widehat{CD}$?

8) In the accompanying diagram of circle O, the measure of $\widehat{RS} = 64$. What is $m < RTS$?

9) If $m\widehat{DE} = 121$ and $m\widehat{BC} = 83$, find $m\angle A$.

10) In the diagram below, $\overline{PA}$ is tangent to circle O, and $\overline{AB}$ is a chord. If $m\widehat{ACB} = 300$, find the measure of $\angle BAP$.