

Level 9 Study Guide



In the accompanying diagram, \overline{PBA} and \overline{PCD} are secants to the circle. If $m \angle P = 40$ and $m \widehat{AD} = 120$, find $m \widehat{BC}$.



In the accompanying diagram, PQ is tangent to circle O at Q and \overline{PRT} is a secant. If $m \angle P = 56$ and $\overline{mQT} = 192$, find \overline{mTR}



In the diagram below of circle O, chords \overline{AB} and \overline{CD} intersect at E.



If $m \angle AEC = 34$ and $\widehat{mAC} = 50$, what is \widehat{mDB} ?



In the accompanying diagram, *CD* is tangent to circle *O* at *B*, *AO* and *BO* are radii, and chord \overline{AB} is drawn. If m $\angle AOB = 108$, find m $\angle ABD$.





Find the circumference to the nearest tenth of a circle with the points (4, 6) and (-2, 9) as the endpoints of a diameter.

Which point is on the circle whose equation is

