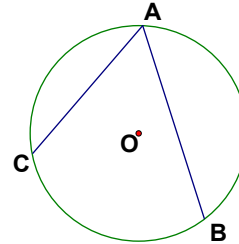


Name _____
Mr. Schlansky

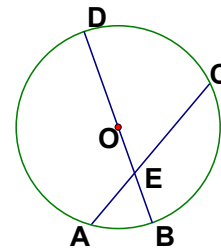
Date _____
Geometry

Arcs, Inscribed and Central Angles

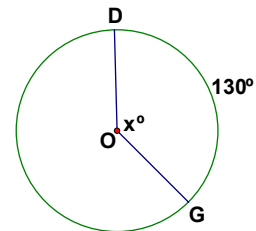
1. In circle O, $CA = 80^\circ$ and $AB = 150^\circ$. Find BC



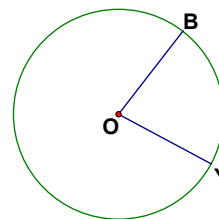
2. In circle O, $DC = 75^\circ$, find CB



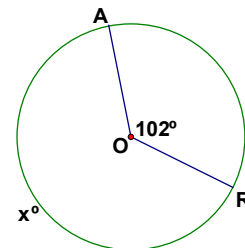
3. If $DG = 130^\circ$, find the measure of $\angle DOG$.



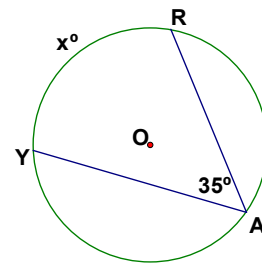
4. If $\angle BOY = 87^\circ$, find the measure of BY.



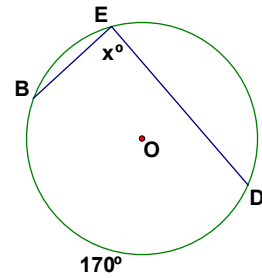
5. If $\angle AOR = 102^\circ$, find AR.



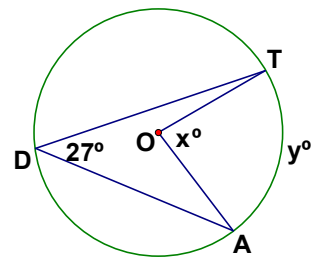
6. If $\angle RAY = 35^\circ$, find $\widehat{RY}$



7. If $\widehat{BD} = 170^\circ$, find the measure of $\angle BED$.



8. If $\angle TDA = 27^\circ$, find:
 a) $\angle TOA$
 b) $\widehat{TA}$



9. In circle K, $m\angle TRI = 4x + 6$ and $\widehat{TI} = 84^\circ$. Find the value of x .

