

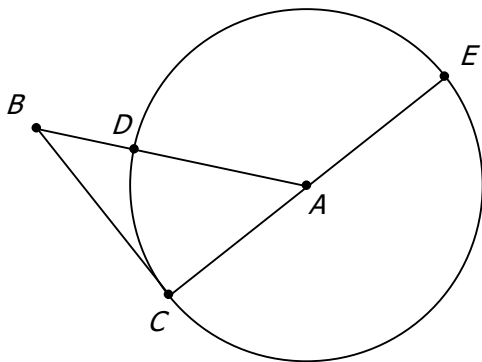
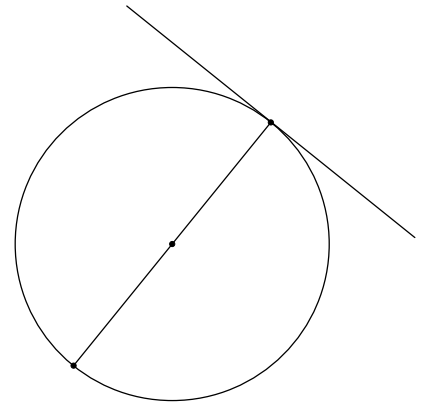
Geometry

Chords, Secants, Tangents

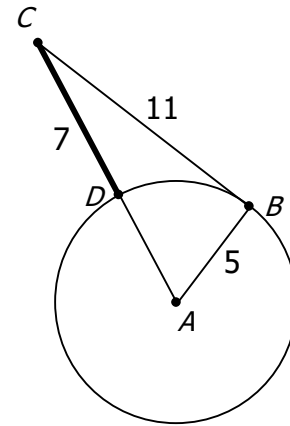
Name: _____

Period: _____ Date: _____

★ Theorem: Tangent Lines and Radii / Diameters

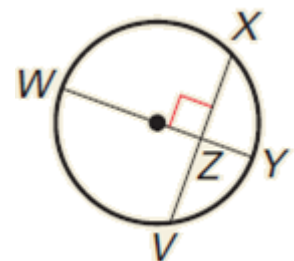
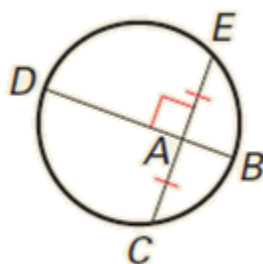


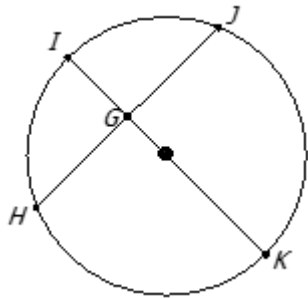
\overline{BC} is tangent to $\odot A$ at C .
The diameter of $\odot A$ is 12, and $BC = 8$.
Find AB , AD , and BD .



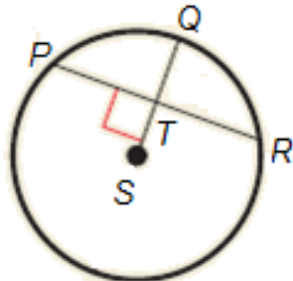
Is \overline{BC} tangent to $\odot A$?
Justify your answer with calculations.

★ Theorems: Perpendicular Bisectors of Chords



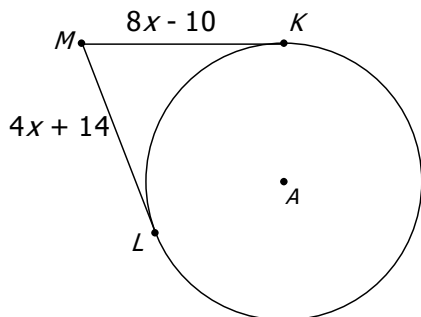
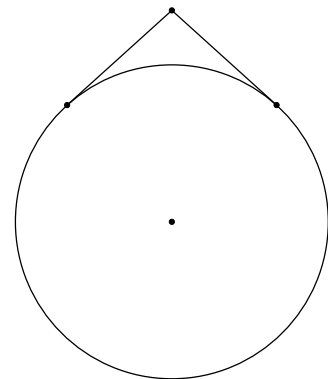


\overline{KI} is the perpendicular bisector of \overline{HJ} .
 $HJ = 24$ $IK = 26$ Find GK .



In $\odot S$, $m\widehat{PQR} = 98^\circ$. Find $m\widehat{PQ}$.

★ **Theorem: Two Tangent Segments**



\overline{LM} and \overline{KM} are tangent to $\odot A$.
 Find the value of x and the length of ML .