

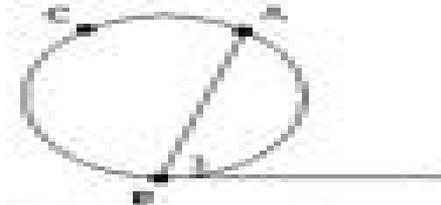
Circle Angle Formulas



$\angle 1$ is a central angle
 $\angle 1 = \widehat{AB}$



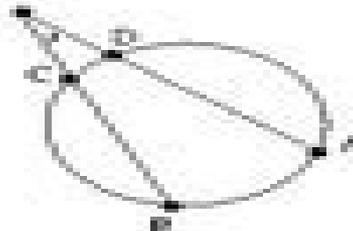
$\angle 2$ is an inscribed angle
 $\angle 2 = \frac{1}{2} \widehat{AB}$



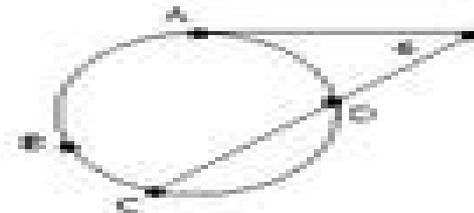
Chord - tangent angle
 $\angle 3 = \frac{1}{2} \widehat{AB}$



Chord - chord
 $\angle 4 = \frac{1}{2} (\widehat{AC} + \widehat{BD})$



Secant - secant
 $\angle 5 = \frac{1}{2} (\widehat{AC} - \widehat{BD})$

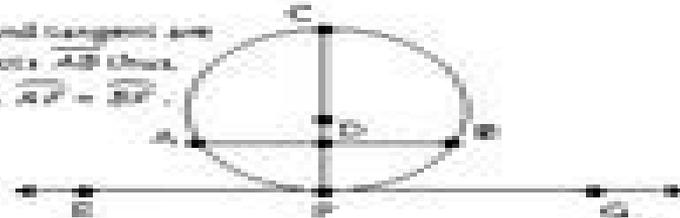


Tangent - secant
 $\angle 6 = \frac{1}{2} (\widehat{ABC} - \widehat{AD})$

Tangent - tangent
 $\angle 7 = \frac{1}{2} (\widehat{ABC} - \widehat{AC})$



Diameter and tangent are \perp . CF bisects AB thus
 $AD = DB$, $AF = BF$,
 $AC = BC$



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Claudia R. Carter



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