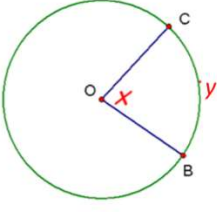
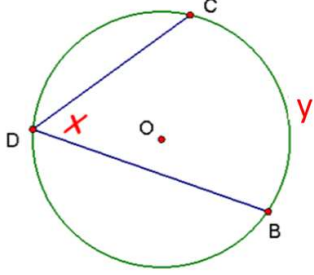
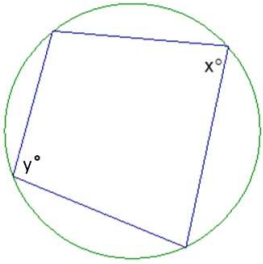
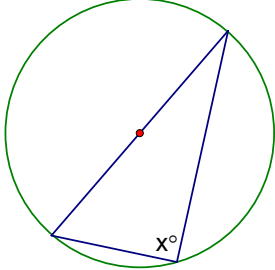
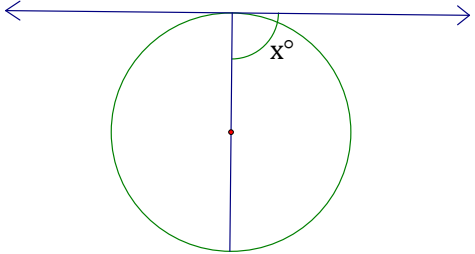
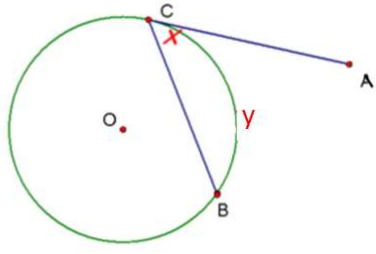
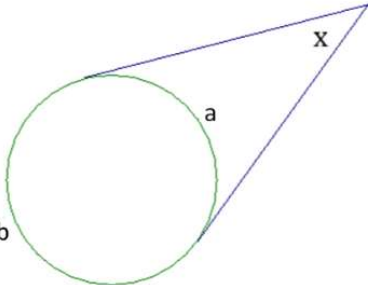
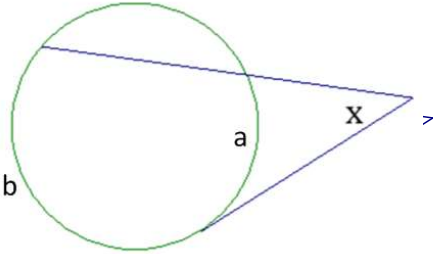
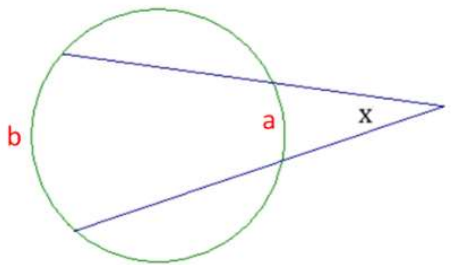
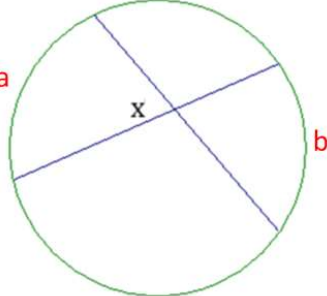
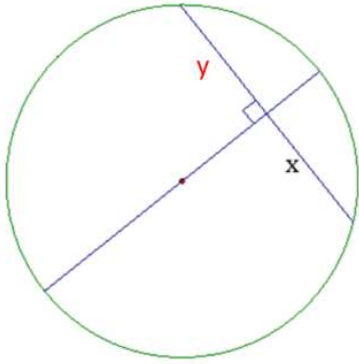


Circle Toolkit – For each angle and arc relationship, complete the example by solving for the variable(s).

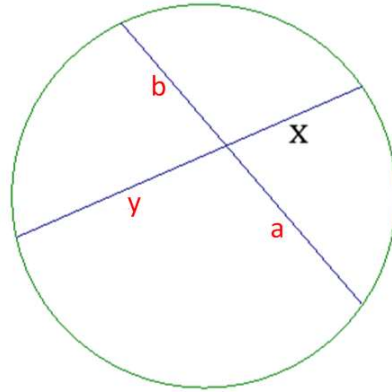
<p>Central angle</p> 	<p>Inscribed angle</p> 
<p>Angles of inscribed quadrilateral</p> 	<p>Inscribed angle of a semicircle</p> 
<p>Diameter drawn to tangent at point of tangency</p> 	<p>Angle formed by secant/chord drawn to tangent at point of tangency</p> 
<p>Angle formed by two tangents (outside circle)</p> 	<p>Angle formed by secant and tangent (outside circle)</p> 
<p>Angle formed by two secants (outside circle)</p> 	<p>Angle formed by intersecting chords (inside circle)</p> 

EQUATIONS

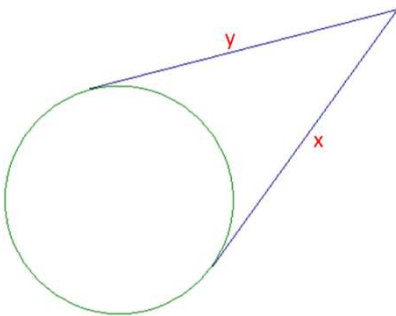
Diameter Perpendicular to a Chord



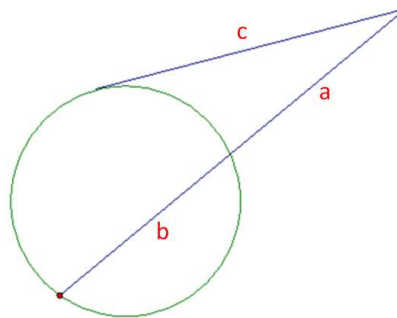
Length of Segments of Intersecting Chords



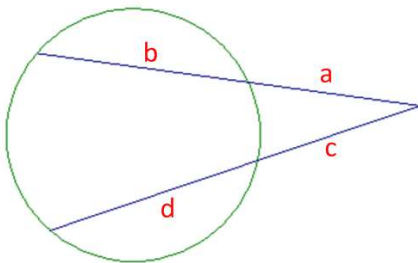
Length of Tangent Segments



Length of Segments of Intersecting Tangent & Secant



Length of Segments of Intersecting Secant & Secant



BE SURE YOU KNOW THE VOCABULARY FROM THIS CHAPTER!!

- | | |
|---------------|-------------------|
| Arc | Intercepted Arc |
| Major Arc | Arc Length |
| Central Angle | Measure of an Arc |
| Chord | Minor Arc |
| Diameter | Secant |
| Semicircle | Inscribed Angle |
| Tangent | Inscribed Polygon |

Equation of a circle: $(x-h)^2 + (y-k)^2 = r^2$