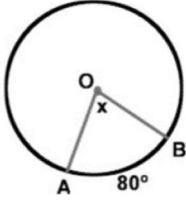
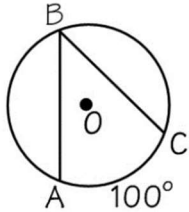
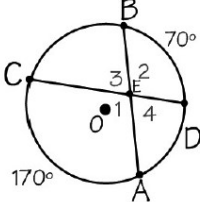
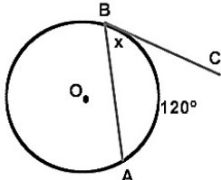
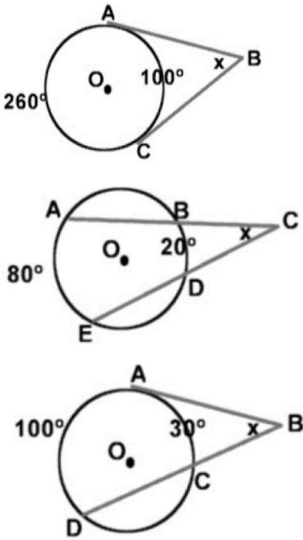


# Angles in Circles

Angle Type	Formula	Picture
<b>Central Angle</b>	<b>Angle = Arc</b>	
<b>Inscribed Angle</b>	<p><b>Given angle:</b> <math>2(\text{angle}) = \text{arc}</math></p> <p><b>Given arc:</b> <math>\frac{\text{arc}}{2} = \text{angle}</math></p>	
<b>Angles formed by Two Chords (Inside the Circle)</b>	$\frac{\text{arc} + \text{arc}}{2} = \text{angle}$	
<b>Tangent Chord Angle</b>	<p><b>Given angle:</b> <math>2(\text{angle}) = \text{arc}</math></p> <p><b>Given arc:</b> <math>\frac{\text{arc}}{2} = \text{angle}</math></p>	
<b>Two Tangents</b> <b>Two Secants</b> <b>Tangent &amp; Secant</b> <b>(OUTSIDE the Circle)</b> <b>Same formula for all 3!</b>	$\frac{\text{big arc} - \text{small arc}}{2} = \text{angle}$	

**Things to check for if you get stuck:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Is there a semicircle? (Semicircle = 180°)</li> <li>Can you use other arcs? (Circle = 360°)</li> </ul> | <ul style="list-style-type: none"> <li>Is there a straight line? (Linear pair = 180°)</li> <li>Are there vertical angles? (Congruent = each other)</li> </ul> |
|---|---|

