






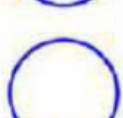

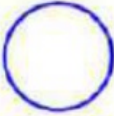


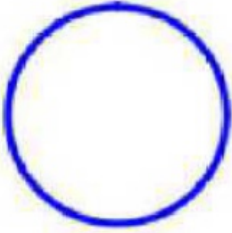
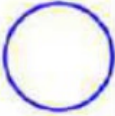
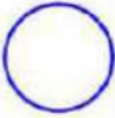




# radius



What you will learn about:  
Chapter 10 Vocabulary



Circle	<ul style="list-style-type: none"> <li>A set of Points equidistant from a Center point <math>O</math> or <math>P</math></li> </ul>	
Equations of a Circle	<ul style="list-style-type: none"> <li><math>(x-h)^2 + (y-k)^2 = r^2</math> Center <math>(h,k)</math></li> <li>Radius <math>\rightarrow r</math></li> </ul>	
Radius	<ul style="list-style-type: none"> <li>Distance from center to Circle</li> </ul>	
Diameter	<ul style="list-style-type: none"> <li>Segment with endpoints on circle that goes through the center</li> </ul>	
$d = 2r$ $r = \frac{1}{2}d$		
Circumference of a Circle	<ul style="list-style-type: none"> <li>Distance around Circle (Perimeter)</li> </ul>	
$C = 2\pi r$ $C = \pi d$		
Area of a Circle	<ul style="list-style-type: none"> <li>How much space the circle takes up.</li> </ul>	
$A = \pi r^2$		
Central Angle	<ul style="list-style-type: none"> <li>Angle whose vertex is at the center of a circle.</li> </ul>	
$m\angle ABC = m\widehat{AC}$	<ul style="list-style-type: none"> <li>Measure of the angle is same as intercepted arc</li> </ul>	
Intercepted Arc	<ul style="list-style-type: none"> <li>Part of a circle cut out by an angle</li> <li>Part of a circle cut out by 2 segments or Rays</li> </ul>	
Minor Arc	<ul style="list-style-type: none"> <li>measures between <math>0^\circ</math> and <math>180^\circ</math></li> </ul>	
$\widehat{AB}$ $\widehat{BC}$ $\widehat{AD}$		
Major Arc	<ul style="list-style-type: none"> <li>measures between <math>180^\circ</math> + <math>360^\circ</math></li> </ul>	
$\widehat{XZY}$		
Measure of an Arc	<ul style="list-style-type: none"> <li>Degrees</li> </ul>	

<p>Arc Length Linear Unit</p>	<p>Distance between 2 points on a circle  <math display="block">S = \frac{\text{Central } \angle}{360} \cdot 2\pi r</math></p>	
<p>Area of a Sector</p>		
<p>Segment of a circle</p>		
<p>Area of a Triangle</p>		
<p>Tangent</p>		
<p>Point of Tangency</p>		
<p>Radius/Diameter Intersect Tangent at Point of Tangency</p>		
<p>Tangents from the same External point</p>		
<p>Chord</p>		
<p>Congruent Chords</p>		

<p>Radius/Diameter Perpendicular To a Chord</p>	
<p>Inscribed Angles</p>	
<p>Congruent Inscribed Angles</p>	
<p>Opposite angles of an inscribed Quadrilateral</p>	
<p>Angle formed by a tangent and A chord</p>	
<p>Secant</p>	
<p>Angle formed by secants</p>	
	

Angle formed by secant and Tangent	
Angles formed by two tangents	
Chord Length	