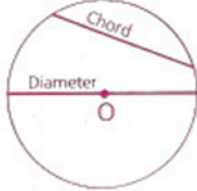
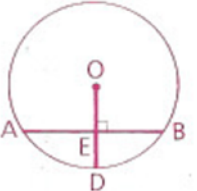
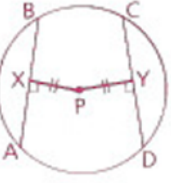
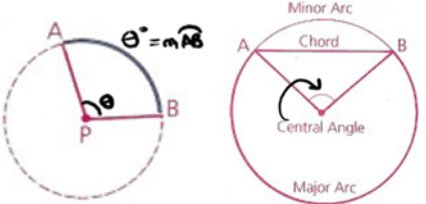
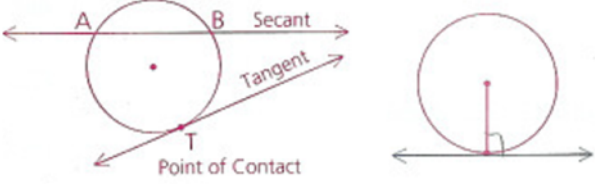
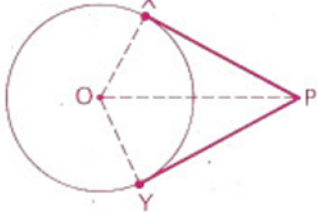

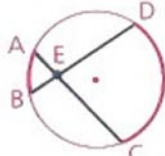
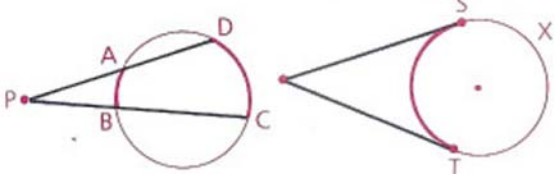
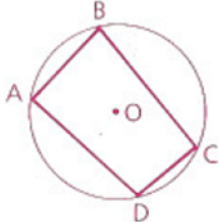
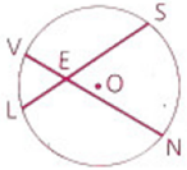


<p><b>Parts of a circle</b>  <b>Chord:</b> A segment between two points on a circle  <b>Diameter:</b> A chord through the center of the circle  <b>Secant:</b> A line through a chord  <b>Radius:</b> A segment from the center to a point on the circle</p>	
<p><b>Radius-Chord Theorem</b>          If a radius is perpendicular to a chord, then it cuts the chord in half           If a radius cuts a chord in half, then it intersects the chord perpendicularly.</p>	
<p><b>Chord-Center Theorem</b>          If two chords are the same distance to the center, then they are congruent           If two chords are congruent, then they are the same distance to the center</p>	
<p><b>Arcs</b>          The measure of an arc is the measure of the central angle the creates it</p>	
<p><b>Secants and Tangents</b>           A secant is a line through a chord           A tangent line is a line that intersects the circle at one point only           Tangent lines are always perpendicular to radii at the point of contact</p>	
<p><b>Intersecting Tangents</b>           If two tangent lines intersect, then they are congruent  <math>XP = YP</math>          (the distance from the intersection to their corresponding points of tangency are equal)</p>	

<p><b>Inscribed Angle</b>                      An inscribed angle is always half the measure of the measure of the arc.</p>	 <p><math>\angle HKM</math> is an <i>inscribed angle</i>.</p>
<p><b>Chord-Chord Angle</b>  <math>m\angle E =</math> average of intercepting arcs  <math display="block">= \frac{m\widehat{AB} + m\widehat{DC}}{2}</math></p>	<p><b>Chord-Chord Angle</b></p> 
<p><b>Intersecting Secants and Tangents</b>  <math display="block">m\angle P = \frac{m\widehat{CD} - m\widehat{AB}}{2}</math>                      The difference between the outer arc and the inner arc</p>	
<p><b>Cyclic Quadrilaterals</b>                      The opposite angle are supplementary</p>	
<p><b>Intersecting Chords</b>  <math>(VE)(EN) = (LE)(ES)</math></p>	
<p><b>Intersecting Other Lines</b>  <math>(PA)(PB) = (PC)(PD)</math>  <math>(PT)(PT) = (PQ)(PR)</math>                      (point to first intersection)(point to second intersection)                      =                      (point to first intersection)(point to second intersection)</p>	