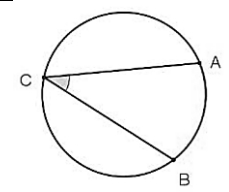
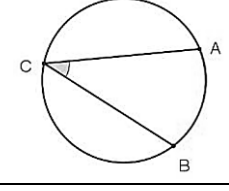
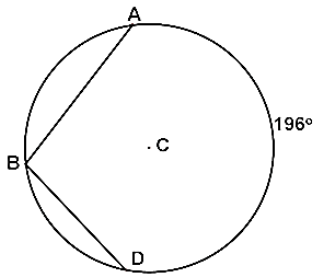


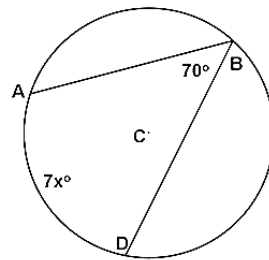
Day 2 – Inscribed Angles and Intercepted Arcs

Name	Definition	Measure	Picture
Inscribed Angle	An angle whose vertex is on a circle and whose sides contain chords of the circle	The measure of an inscribed angle is half the measure of its intercepted arc.	
Intercepted Arc	An arc whose endpoints lie on the sides of an inscribed angle and all the points of the circle between them.	The measure of an intercepted arc is double the measure of the inscribed angle.	

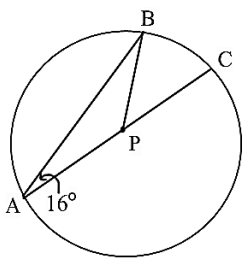
Example: Find the measure of angle ABD.



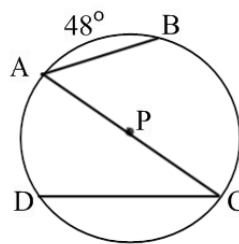
Example: Find the value of x and arc ABD.



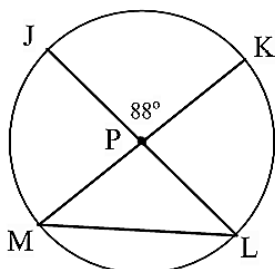
Example: Find the measure of arc AB and BC.



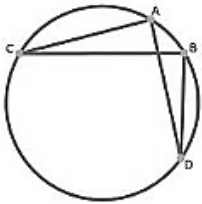
Example: Find the measure of angle BAC.



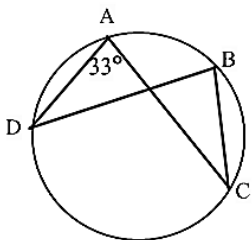
Example: Find the measure of angle JLM.



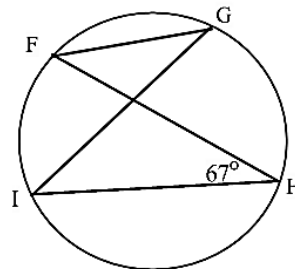
Intercepted Arcs

Name	Theorem	Hypothesis	Conclusion
<p>Intercepted Arcs Corollary</p>	<p>If inscribed angles of a circle intercept the same arc, then the angles are congruent</p>		

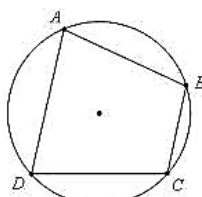
Example: Find the measure of angle B.



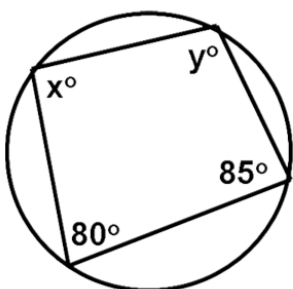
Example: Find the measure of angle G and arc IF.



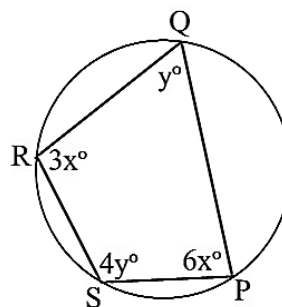
Inscribed Polygons

Name	Theorem	Hypothesis	Conclusion
<p>Inscribed Polygons</p>	<p>A polygon whose vertices lie on the circle.</p>	<p>Opposite angles are supplementary.</p>	

Example: Find the value of x and y.



Example: Find the value of x and y.



Example: Can this quadrilateral be inscribed inside a circle?

