

Planned Course: Honors Geometry	Course Number: M307H	Department: Mathematics	
Unit: Circle	Grade Level: 9-12		
Estimated Time: 10 days	Level/Track: Honors	Date Approved: 7/15/08	

PA Academic Standards	Core Concepts (in question format) • Skills/Knowledge	Activities/Strategies/Study Skills (identify some activities as remedial or enrichment activities)	Assessments (include types and topics)
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<p>ASSESSMENT ANCHORS M11.C.1.1 Identify and/or use parts of circles and segments associated with circles.</p> <p>ACADEMIC STANDARDS 2.9.11 Geometry F. Use the properties of angles, arcs, chords, tangents and secants to solve problems involving circles.</p>	<p>▶ When angles and segments are formed by tangents and secants of circles, how do their measures relate to the intercepted arcs and to each other?</p> <ul style="list-style-type: none"> • Student will be able to apply theorems concerning tangents and secants to find missing lengths and angles. 	<p>▶ The student will prove theorems involving the measures of angles and segments formed by tangents and secants of circles.</p> <p>▶ The student will analyze diagrams to determine which theorems to apply to solve problems.</p> <p>▶ The student will find the measures of inscribed angles and angles intersecting in the exterior and interior of the circle.</p>	<p>▶ Graded assignments</p> <p>▶ Classroom observation and/or participation</p> <p>▶ Quiz</p> <p>▶ Test</p>
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