






# Honors Math 3

## Unit 7 – Circles a Geometric Perspective

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Keep track of your concept progress by checking the appropriate box as we go through the unit

	 <i>I Can...</i>	<i>Know a little</i> 	<i>Need Practice</i> 	<i>I Got it!</i> 
1	Find the center of a circle using perpendicular bisectors of chords, and apply this as a procedure for finding the center of rotation between an image and its pre – image.			
2	Describe and use relationships between central angles, inscribed angles, circumscribed angles, and intercepted arcs.			
3	Find the perimeter and area of regular polygons inscribed in a circle, and relate this work to the formula for finding the circumference and area of a circle by thinking of the circle as a regular polygon with an infinite number of sides.			
4	Find the length of arcs and areas of sectors of a circle when given the degree measure of the central angle.			
5	Calculate the radian measure of a central angle of a circle with a given radius.			
6	Find the scale factor for area and volume when the scale factor for corresponding lengths of similar figures or solids is known.			
7	Understand and use the formulas for volumes of prisms, pyramids, cylinders, and cones.			
8	For oblique solids my understanding of these formulas is based on Cavalieri’s principle.			

 **Unit Reflection: (Specific items to review)**