

Course Title: Informal Geometry			
Course Number: 1206300			
NGSSS Benchmark	Content Focus	Number of Questions	Suggested Cognitive Complexity (per CPALMS)
<i>Reporting Category 1: Circles</i>			
MAFS.912.G.C. 1.1	Prove that all circles are similar.	2	1 level 1 1 level 2
<i>Reporting Category Total</i>		2	
<i>Reporting Category 2: Congruence</i>			
MAFS.912.G.CO.1.1	Know precise definitions of geometric terms	5	2 level 1 2 level 2 1 level 3
MAFS.912.G.CO.1.2	Represent, describe and compare transformations in the plane	3	1 level 2 2 level 2
MAFS.912.G.CO.1.3	Describe the rotations and reflections that carry quadrilaterals and regular polygons onto themselves.	3	1 level 1 1 level 2 1 level 3
MAFS.912.G.CO.1.4	Develop definitions of rotations, reflections, and translations	4	2 level 1 1 level 2 1 level 3
MAFS.912.G.CO.1.5	Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure	3	1 level 1 2 level 1
MAFS.912.G.CO.2.6	Use geometric descriptions of rigid motions to transform figures	3	1 level 1 2 level 2
MAFS.912.G.CO.2.7	Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.	4	1 level 1 2 level 2 1 level 3
<i>Reporting Category Total</i>		24	
<i>Reporting Category 3: Expressing Geometric Properties with Equations</i>			
MAFS.G.GPE.2.7	Use coordinates to compute perimeters of polygons and areas of triangles and rectangles.	6	2 level 1 2 level 2 2 level 3
<i>Reporting Category Total</i>		6	
<i>Reporting Category 4: Geometric Measurement and Dimension</i>			
MAFS.912.G.GMD.1.3	Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.	4	1 level 1 2 level 2 1 level 3
MAFS.912.G.GMD.2.4	Identify the shapes of two-dimensional cross-sections of three-dimensional objects, and identify three-dimensional objects generated by rotations of two-dimensional objects.	2	1 level 1 1 level 2
<i>Reporting Category Total</i>		6	
<i>Reporting Category 5: Similarity, Right Triangles and Trigonometry</i>			
MAFS.912.G.SRT.1.2	Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar;	6	2 level 1 3 level 2 1 level 1
MAFS.912.G.SRT.1.3	Use the properties of similarity transformations to	4	2 level 1

	establish the AA criterion for two triangles to be similar.		2 level 2
MAFS.912.G.SRT.2.5	Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.	2	1 level 1 1 level 2
<i>Reporting Category Total</i>			12

Overall Percentage for Written Test: __100%__

Overall Percentage for Performance Tasks: __0%__