ACP Blueprint
Geometry Pre-AP
Semester 1, 2014-2015

Test Code	Year	Form
1201	1	43
Last Revision Date: 5/29/2014		

	SE Descriptions	Reporting Category	TEKS/SE	R or S	No. of Items	% of Test
1.	**Geometric structure.** Compare and contrast the structures and implications of Euclidean and non-Euclidean geometries.	1	G.1C	S	1	4%
2.	**Geometric structure.** Use constructions to explore attributes of geometric figures and to make conjectures about geometric relationships.	1	G.2A	S	1	4%
3.	**Geometric structure.** Make conjectures about angles, lines, polygons, circles, and three-dimensional figures and determine the validity of the conjectures, choosing from a variety of approaches such as coordinate, transformational, or axiomatic.	1	G.2B	R	2	7%
4.	**Geometric structure.** Determine the validity of a conditional statement, its converse, inverse, and contrapositive.	1	G.3A	S	1	4%
5.	**Geometric structure.** Use logical reasoning to prove statements are true and find counter examples to disprove statements that are false.	1	G.3C	R	2	7%
6.	**Geometric structure.** Use deductive reasoning to prove a statement.	1	G.3E	S	1	4%
7.	**Geometric structure.** Select an appropriate representation ([concrete,] pictorial, graphical, verbal, or symbolic) in order to solve problems.	2	G.4	S	1	4%
8.	**Geometric patterns.** Use numeric and geometric patterns to develop algebraic expressions representing geometric properties.	2	G.5A	R	2	7%
9.	**Geometric patterns.** Use properties of transformations and their compositions to make connections between mathematics and the real world, such as tessellations.	2	G.5C	S	2	7%
10.	**Dimensionality and the geometry of location.** Use one- and two-dimensional coordinate systems to represent points, lines, rays, line segments, and figures.	3	G.7A	S	1	4%
11.	**Dimensionality and the geometry of location.** Use slopes and equations of lines to investigate geometric relationships, including parallel lines, perpendicular lines, and special segments of triangles and other polygons.	3	G.7B	R	3	11%
12.	**Dimensionality and the geometry of location.** [Derive and] use formulas involving length, slope, and midpoint.	3	G.7C	R	2	7%
13.	**Congruence and the geometry of size.** Formulate and test conjectures about the properties of parallel and perpendicular lines based on explorations and [concrete] models.	4	G.9A	S	2	7%

SE Descriptions	Reporting Category	TEKS/SE	R or S	No. of Items	% of Test
14. Congruence and the geometry of size. Formulate and test conjectures about the properties and attributes of polygons and their component parts based on explorations and [concrete] models.	4	G.9B	S	1	4%
15. Congruence and the geometry of size. Use congruence transformations to make conjectures and justify properties of geometric figures including figures represented on a coordinate plane.	4	G.10A	S	1	4%
16. Congruence and the geometry of size. Justify and apply triangle congruence relationships.	4	G.10B	R	3	11%
17. Similarity and the geometry of shape. Use and extend similarity properties and transformations to explore and justify conjectures about geometric figures.	5	G.11A	S	1	4%
18. Similarity and the geometry of shape. Use ratios to solve problems involving similar figures.	5	G.11B	S	1	4%
Total			R	14	50%
			S	14	50%
			All		

Note: R = Readiness Standard **S** =Supporting Standard
A copy of the Geometry STAAR/EOC Mathematics Reference Chart is printed in each booklet.
This assessment is consumable.
Calculators are permitted on this assessment.
Percentages are rounded to the nearest whole number.

Reporting Categories: 1. Geometric Structure
2. Geometric Patterns and Representations
3. Dimensionality and the Geometry of Location
4. Congruence and the Geometry of Size
5. Similarity and the Geometry of Shape