



Resource Geometry Semester 1 Final Assessment Blueprint

Year Created: 2024-2025
Subject: Math

Method of Delivery: Online
Administration Window: December Common Finals

Resources

[Resource Geometry Curriculum Map](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
MA.9-12.G.G-CO.A.1	3	Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.
MA.9-12.G.G-CO.A.2	2	Represent and describe transformations in the plane as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not.
MA.9-12.G.G-CO.A.3	2	Given a rectangle, parallelogram, trapezoid, or regular polygon, describe the rotations and reflections that carry it onto itself.
MA.9-12.G.G-CO.A.4	1	Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments.
MA.9-12.G.G-CO.B.7	2	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.
MA.9-12.G.G-CO.B.8	2	Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions.
MA.9-12.G.G-CO.C.10	3	Prove theorems about triangles. Theorems include: measures of interior angles of a triangle sum to 180° ; base angles of isosceles triangle are congruent; the segment joining midpoints of two sides of a triangle is parallel to the third side and half the length; the medians of a triangle meet at a point.
MA.9-12.G.G-CO.C.9	5	Prove theorems about lines and angles. Theorems include: vertical angles are congruent; when a transversal crosses parallel lines, alternate interior angles are congruent and corresponding angles are congruent; points on a perpendicular bisector of a line segment are exactly those equidistant from the segment's endpoints.
MA.9-12.G.G-GPE.B.7	1	Use coordinates to compute perimeters of polygons and areas of triangles and rectangles.

*Some items may be tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	9
Level 2: Skill/Concept	12
Level 3: Strategic Thinking	0

Item Types Included

Type	Number of Items	Description
MC	21	Multiple Choice - Select one answer