

Assessment Content Descriptors

Below are descriptions of the content associated with the Geometry End-of-Course Test.

	Total Number Correct	Total Number Possible
Interpreting Functions	0	2
Congruence	6	10
Similarity, Right Triangle, and Trigonometry	4	7
Circles	3	4
Geometric Measurement and Dimension	2	6
Modeling with Geometry	0	1
Total Geometry Score	15	30

Functions

Interpreting Functions

Topics may include using function notation and analyzing linear, quadratic, square root, cube root, piecewise-defined, polynomial, rational, exponential, and logarithmic functions.

Geometry

Congruence

Topics may include representing and analyzing transformations in the coordinate plane; understanding congruence in terms of rigid motions; proving geometric theorems, including theorems about lines and angles, triangles, and parallelograms; and making geometric constructions.

Similarity, Right Triangle, and Trigonometry

Topics may include understanding similarity in terms of similarity transformations, using congruence and similarity criteria to solve problems and prove relationships in geometric figures, defining trigonometric ratios and solving problems involving right triangles, and applying trigonometry to general triangles.

Circles

Topics may include understanding and applying theorems about circles and finding arc lengths and areas of sectors of circles.

Geometric Measurement and Dimension

Topics may include understanding the origins of formulas, including circumference and area of a circle and volumes of cylinders, pyramids, cones, and spheres; using formulas to solve problems; and visualizing relationships between two-dimensional and three-dimensional objects.

Modeling with Geometry

Topics may include applying geometric concepts to model real-world phenomena.