Standard Code	Standards
HS-MA-G-G-C.01.00.0	**Circles**
HS-MA-G-G-C.01.A.0	Draw a circle given a center and radius
HS-MA-G-G-C.01.B.0	Determine the length of chords, secants, and tangents.
HS-MA-G-G-C.01.C.0	Determine arc length and measure
HS-MA-G-G-C.01.D.0	Determine angle measures formed by chords, secants, and tangents
HS-MA-G-G-C.01.E.0	Derive the equation of a circle given its center and radius
HS-MA-G-G-C.01.F.0	Investigate properties of inscribed and circumscribed polygons and cirlces
HS-MA-G-G-CO.01.00.0	**Geometric Reasoning**
HS-MA-G-G-CO.01.A.0	Use inductive and deductive reasoning to formulate and prove conjectures
HS-MA-G-G-CO.01.B.0	Use various forms of proof to prove theorems (two-column, paragraph, flow chart, indirect, coordinate proof)
HS-MA-G-G-CO.01.C.0	Reason logically using conditional statements
HS-MA-G-G-CO.02.00.0	**Parallel and Perpendicular Lines**
HS-MA-G-G-CO.02.A.0	Solve problems involving the measure of angles formed by parallel lines intersected by a transversal
HS-MA-G-G-CO.02.B.0	Recognize and use properties of perpendicular lines
HS-MA-G-G-CO.03.00.0	**Properties of Triangles**
HS-MA-G-G-CO.03.A.0	Identify medians, altitues, and angle bisectors of a triangle and find their measures
HS-MA-G-G-CO.03.B.0	Apply triangle inequality theorem
HS-MA-G-G-CO.03.C.0	Apply triangle congruence theorems (SSS, SAS, ASA, AAS, HL)
HS-MA-G-G-CO.03.D.0	Use and apply triangle theorems
HS-MA-G-G-CO.04.00.0	**Properties of Polygons**
HS-MA-G-G-CO.04.A.0	Define and classify polygons according to their attributes
HS-MA-G-G-CO.04.B.0	Find the measure of the interior and exterior angles of a polygon
HS-MA-G-G-CO.05.00.0	**Transformations**
HS-MA-G-G-CO.05.A.0	Perform transformations including rotations, translations, reflections, and dilations
HS-MA-G-G-CO.06.00.0	**Constructions**
HS-MA-G-G-CO.06.A.0	Perform basic geometric constructions using a compass and straightedge
HS-MA-G-G-CO.06.B.0	Construct a tangent line from a point outside a circle to the circle (+)
HS-MA-G-G-GMD.01.00.0	**Perimeter, Area, Volume**
HS-MA-G-G-GMD.01.A.0	Use the formula to find the area of a regular polygon
HS-MA-G-G-GMD.01.B.0	Calculate the perimeter and the area of polygons
HS-MA-G-G-GMD.01.C.0	Calculate the surface area and volume of 3D solids
HS-MA-G-G-GMD.01.D.0	Calculate the circumference and area of circle and sectors of a circle
HS-MA-G-G-GMD.01.E.0	Use length and area to find geometric probability
HS-MA-G-G-GMD.01.F.0	Apply geometric methods to solve design problems (+)
HS-MA-G-G-GPE.01.00.0	**Coordinate Geometry**

Standard Code	Standards
HS-MA-G-G-GPE.01.A.0	Find the length and midpoint of segments
HS-MA-G-G-GPE.01.B.0	Find the distance between two points
HS-MA-G-G-GPE.01.C.0	Write and graph linear equations
HS-MA-G-G-GPE.01.D.0	Find the slopes of parallel and perpendicular lines
HS-MA-G-G-MG.01.00.0	**Geometric Solids**
HS-MA-G-G-MG.01.A.0	Draw 3D figures and their nets (+)
HS-MA-G-G-MG.01.B.0	Apply the vocabulary associated with 3D figures (vertices, edges, lateral faces, slant height, height, and lateral area)
HS-MA-G-G-MG.01.C.0	Identify the shapes of 2D cross sections of 3D objects
HS-MA-G-G-MG.01.D.0	Use definitions and properties to classify geometric solids
HS-MA-G-G-SRT.01.00.0	**Right Triangles**
HS-MA-G-G-SRT.01.A.0	Apply the properties of square roots to solve problems
HS-MA-G-G-SRT.01.B.0	Use right triangle trigonometry to find lengths and angles and solve applied right triangle problems
HS-MA-G-G-SRT.01.C.0	Apply trigonometry to general triangles (+)
HS-MA-G-G-SRT.01.D.0	Recognize and apply the properties of special (30-60-90 and 45-45-90) right triangles
HS-MA-G-G-SRT.01.E.0	Solve problems using angle of elevation and angle of depression
HS-MA-G-G-SRT.01.F.0	Use the Pythagorean Theorem to solve right triangles
HS-MA-G-G-SRT.02.00.0	**Similarity**
HS-MA-G-G-SRT.02.A.0	Use proportions to find missing lengths of similar figures
HS-MA-G-G-SRT.02.B.0	Investigate properties of similar polygons
HS-MA-G-G-SRT.02.C.0	Use the AA, SSS, SAS similarity postulates