GEOMETRY HONORS
2012–2013 SEMESTER EXAMS
TEST BLUEPRINT

Semester 1 Units	Percentage of Exam	Selected Response DOK 1	Selected Response DOK 2	Short Constructed Response DOK 1/2/3	Long Constructed Response DOK 2/3
1: Congruence, Proof, and Construction	45%–55%	12–18 questions	12–18 questions	2–5 questions	1–2 questions
2.1: Similarity	20%–30%				
2.2: Trigonometry	20%–30%				
TOTAL QUESTIONS		30 questions*		4–6 questions**	

Semester 2 Units	Percentage of Exam	Selected Response DOK 1	Selected Response DOK 2	Short Constructed Response DOK 1/2/3	Long Constructed Response DOK 2/3
3: Extending to Three Dimensions	15%–25%	12–18 questions	12–18 questions	2–5 questions	1–2 questions
4: Connecting Algebra and Geometry through Coordinates	25%–35%				
5: Circles with and without Coordinates	25%–35%				
6: Applications of Probability	15%–25%				
TOTAL QUESTIONS		30 questions*		4–6 questions**	

Smarter Balanced Assessment Claims	Semester 1 Percentage of Exam	Semester 2 Percentage of Exam
1: Concepts and Procedures	55%–65%	55%–65%
2: Problem Solving	10%–20%	10%–20%
3: Communicating Reasoning	15%–25%	10%–20%
4: Modeling and Data Analysis	10%–20%	10%–20%

* The number of responses students provide may exceed 30, as some selected response questions are in a multiple-true-false format and have up to 4 parts. When scored, each correct multiple-choice response counts 2 points and each correct true-false response counts 1 point.

** It is recommended that the constructed response portion of the semester exam count for one-third of the total semester exam score. Model solutions will be provided. The number of constructed response questions on the exam will vary based on their total length.

GEOMETRY HONORS
2012–2013 SEMESTER EXAMS
TEST BLUEPRINT

CCSD
CLARK COUNTY
SCHOOL DISTRICT

Standards Eligible for Testing, Semester 1 (by cluster)

Congruence	**G.CO**
Experiment with transformations in the plane	G.CO.1–5
Understand congruence in terms of rigid motions	G.CO.6–8
Prove geometric theorems	G.CO.9–11
Make geometric constructions	G.CO.12–13
Similarity, Right Triangles, and Trigonometry	**G.SRT**
Understand similarity in terms of similarity transformations	G.SRT.1–3
Prove theorems involving similarity	G.SRT.4–5
Define trigonometric ratios and solve problems involving right triangles	G.SRT.6–8
Apply trigonometry to general triangles	G.SRT.10–12
Modeling with Geometry	**G.MG**
Apply geometric concepts in modeling situations	G.MG.1–3

Standards Eligible for Testing, Semester 2 (by cluster)

Circles	**G.C**
Understand and apply theorems about circles	G.C.1–4
Find arc lengths and areas of sectors of circles	G.C.5
Expressing Geometric Properties with Equations	**G.GPE**
Translate between the geometric description and the equation for a conic section	G.GPE.1–3
Use coordinates to prove simple geometric theorems algebraically	G.GPE.4–7
Geometric Measurement and Dimension	**G.GMD**
Explain volume formulas and use them to solve problems	G.GMD.1–3
Visualize relationships between two- dimensional and three-dimensional objects	G.GMD.4
Modeling with Geometry	**G.MG**
Apply geometric concepts in modeling situations	G.MG.1–3
Conditional Probability and the Rules of Probability	**S.CP**
Understand independence and conditional probability and use them to interpret data	S.CP.1–5
Use the rules of probability to compute probabilities of compound events in a uniform probability model	S.CP.6–9
Using Probability to Make Decisions	**S.MD**
Use probability to evaluate outcomes of decisions	S.MD.6–7