Fall Semester Exam Review
Geometry GT/Pre-AP

Name: _____
Date: _____ Period: _____

This review is **three daily grades** that will help you prepare for the fall semester exam. The due date for each daily grade is given below. In addition, there will be a **QUIZ** over Chapters 4 & 5 at the beginning of class on January 5 or 6 (the first day back from winter break). Therefore, you will need to start studying for the final exam during winter break, and complete at least the first set of problems (Chapters 4, 5, & 7) by January 5 or 6.

Work these textbook exercises on a separate sheet of paper. **You must show work to receive credit!**

Due date	Exercises from the textbook	Check your understanding of these textbook sections
January 5 or 6 (Mon / Tue) 1st daily grade - Chapters 4, 5, 7: Triangle Congruence, Special Segments, and Similarity. (30 exercises)	Chapter 4: **Page 722 # 15, 16, 21, 22, 23, 24, 28, 31, 33, 34.** Chapter 5: **Page 724 # 12, 17, 18, 19, 20, 22, 27, 31, 35, 42.** Chapter 7: **Page 728 # 7, 10, 12, 13, 14, 15, 16, 20, 24, 30.**	4-1 Congruent Figures 4-2 Triangle Congruence by SSS and SAS 4-3 Triangle Congruence by ASA and AAS 4-4 Using Congruent Triangles: CPCTC 4-5 Isosceles and Equilateral Triangles 4-6 Congruence in Right Triangles (HL) 4-7 Using Corresponding Parts of Congruent Triangles 5-1 Midsegments of Triangles 5-2 Bisectors in Triangles 5-3 Concurrent Lines, Medians, and Altitudes 5-4 Inverses, Contrapositives, and Indirect Reasoning 5-5 Inequalities in Triangles 7-1 Ratios and Proportions 7-2 Similar Polygons 7-3 Proving Triangles Similar (AA, SAS, SSS) 7-4 Similarity in Right Triangles 7-5 Proportions in Triangles
January 7 or 8 (Wed / Thu) 2nd daily grade - Chapters 3, 9: Parallel and Perpendicular Lines, Triangle and Polygon Angles, and Transformations. (25 exercises)	Chapter 3: **Page 720 # 4, 5, 7, 20, 21, 33, 38, 39, 40, 42.** **Page 178 # 15, 22, 27, 41.** **Page 163 # 49.** Chapter 9: **Page 732 # 3, 4, 7, 15, 18, 32, 33, 34, 36.** **Page 487 # 31.**	3-1 Properties of Parallel Lines 3-2 Proving Lines Parallel 3-3 Parallel and Perpendicular Lines 3-4 Parallel lines and the Triangle Angle-Sum Theorem 3-5 The Polygon Angle-Sum Theorems 3-6 Lines in the Coordinate Plane 3-7 Slopes of Parallel and Perpendicular Lines 9-1 Translations 9-2 Reflections 9-3 Rotations 9-4 Symmetry 9-5 Dilations 9-6 Compositions of Reflections 9-7 Tessellations
January 9 or 12 (Fri / Mon) 3rd daily grade - Chapters 1, 2, 8: Logical Reasoning, Essentials of Geometry, and Pythagorean Theorem. (25 exercises)	Chapter 1: **Page 716 # 20, 22, 24, 27, 33, 36, 37, 47, 48.** Chapter 2: **Page 718 # 9, 12, 13, 14, 22, 25, 26, 27, 28, 29.** Chapter 8: **Page 730 # 3, 4, 5.** **Page 420 # 16, 22, 23.**	1-1 Patterns and Inductive Reasoning 1-3 Points, Lines, and Planes 1-4 Segments, Rays, Parallel Lines and Planes 1-5 Measuring Segments 1-6 Measuring Angles 1-7 Basic Constructions (⊥ Bisector and ∠ Bisector) 1-8 The Coordinate Plane (Midpoint and Distance Formulas) 2-1 Conditional Statements 2-2 Biconditionals and Definitions 2-3 Deductive Reasoning (Laws of Detachment and Syllogism) 2-4 Reasoning in Algebra 2-5 Proving Angles Congruent 8-1 The Pythagorean Theorem and Its Converse

In addition to working the exercises on this review, **review all the old tests and unit focuses / test reviews**. For more practice problems, the Advanced-level Geometry classes' semester review and answers are on your teacher's website.