Name: Adam Reeck		Grading Quarter: 2	Week Beginning: October 23
School Year: 23-24		Subject: Geometry - Honors	
Monday	Notes:	Objective: Students will prove, apply, and solve problems using triangle inequality theorems. Lesson Foundations: Angle-side relationships in triangles, logic, Properties of inequalities (pg. 373), Exterior angle theorem Lesson Overview: Will primarily do problems as we have already covered these principles prior to fall break. Bellwork: Fill out your Math Log, In your notes, write out Perpendicular Bisector, Angle Bisector, Altitude, Median and draw a decent sized triangle next to each one, allowing several lines in between each term. Next, see if you can determine where each segment *starts* on the triangle. Assignment: 6-4 (1-16), 6-6 (1-19 odd)	Academic Standards: G.CO.10
Tuesday	Notes:	Objective: Students will review Points of Concurrency by creating segments within triangles that have specific criteria. Lesson foundations: Perpendicular bisectors, Constructions of, Coordinate Geometry, Bisectors, Distance formula, Pythagorean Theorem, Vertices, Sides of triangles Lesson overview: Make connections between points of concurrency and types of line segments Bellwork: Fill out math logs, check your grades Review: N/A Assignment: Review problems from math logs, Aleks, and	Academic Standards: G.CO.9, G.CO.10, G.CO.12

Wednesday	Notes:	Objective: Students will demonstrate understanding by creating 4 triangles with the four points of concurrency. They'll demonstrate why they know those points are what they are. Lesson Foundations: Perpendicular Bisectors, Angle bisectors, Medians, Altitudes Lesson Overview: Test - Bellwork: Fill out your math logs. Homework: None	Academic Standards: G.CO.9, G.CO.10, G.CO.12
Thursday	Notes:	Objective: Students will solve problems by applying the Centroid Theorem. They will use altitudes and their understanding of slopes to determine orthocenters of triangles. Lesson Foundations: Polygons, Interior/exterior angles, Vocab Lesson Overview: Angle Sum Theorem, individual angle measures Bell work: How many non-overlapping triangles can you create in an octagon? What is the sum of the measures of each one of those triangles? How many non-overlapping triangles can you create in a square? What about a hexagon? Is there a pattern? If so, what? Assignment: 7-1 (1-33 odd)	Academic Standards: G.MG.1
Friday	Notes:	Objective: Students will understand the properties of a parallelogram by doing problems and creating problems that demonstrate the unique characteristics of Parallelograms. Lesson Foundations: Vocab, review the idea of *properties* Lesson Overview: Parallelograms and their properties Bellwork: Fill out your Math Log Assignment: 7-2 (1-5, 9-14, 19-27)	Academic Standards: G.CO.11

Think about doing something with exploration