

Name: Adam Reeck		Grading Quarter: 1	Week Beginning: September 5th
School Year: 23-24		Subject: Geometry - Honors	
Monday	Notes:		Academic Standards:
Tuesday	Notes: Collect Mandalas	Objective: Students analyze conjectures by inductive reasoning and disprove conjectures by finding counterexamples. Lesson Overview: Sections 3-1 and 3-2 in McGraw Hill. Bellwork: How do we know things are true? How do we know they're not true? Some examples to consider are: How does the earth move relative to the rest of the universe? How do we know it's working that way? Gravity? How do we know that the Earth isn't the center of the universe? How do we know that math works in the ways that it does? Review: Module 1 Test questions Lesson: Conjecture, Inductive Reasoning, Counterexamples, Statement, Converse, Inverse, Contrapositive, Conditionals, If-Then Statements, Bi-conditionals, Hypothesis, Conclusion 3-1 (1-25 odd) 3-2 (1-25 odd)	Academic Standards: Strangely, there are none.
Wednesday	Notes:	Objective: Students will be introduced to algebraic and geometric proof – they will grow their understanding by doing multiple problems of each from sections 3-3 through 3-5. Lesson Overview: Algebraic proof, Laws, Theorems, Axioms, Postulates, Definitions, Properties Bell work: Think of 5 Hard rules in life (could be your own) that never get broken. Lesson: Discuss proof, Go through multiple examples of Algebraic, Geometric (through segments and angles) Assignment: 3-4 (1-13 odd) 3-5 (1-13 odd)	Academic Standards: G.CO.9, G.CO.12

Thursday	Notes:	Objective: Students will know and demonstrate knowledge of parallel lines and transversals by creating images with included definitions of all angles formed when a transversal intersects a parallel line. Lesson Overview: Introduce parallel lines, 3-7 Bellwork – Come up with a definition of parallel lines. Draw them. Draw a line that intersects both. Make observations. Review: 3-4, 3-5, 3-6 Lesson: Parallel lines and transversals, Alternate interior angles, Corresponding angles, Alternate exterior angles, Consecutive interior angles Assignment: 3-7 (1-33 odd)	Academic Standards: G.CO.1 , G.CO.9
Friday	Notes:	Objective: Students will review the process of classifying parallel lines by comparing slopes – the algebra of parallel lines. Lesson Overview: 3-8, Comparing slopes, Writing equations in Slope intercept form, Point slope form Bellwork: Manipulating equations in two variables Homework: 3-8 (1-27 odd)	Academic Standards: G.GPE.5