

Name: Adam Reeck		Grading Quarter: Q1	Week Beginning: September 11th
School Year: 2023-2024		Subject: Geometry	
Monday	Notes:	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 W.S. Inductive Reasoning 3-1 (1-25 odd) 3-2 (1-25 odd)	Academic Standards:
Tuesday	Notes:	Objective: Students will assess their recollection of graphing and understanding the equations of lines. Lesson Overview: Review of algebra - lines Bell work: Optical illusions Lesson: 3-6 Assignment: graphing lines WS Graphing parallel lines	Academic Standards: G.CO.2, G.CO.12

Wednesday	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
Thursday	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
Friday	Notes:	Objective: Students will further their understanding of proofs by learning the process of proving that lines are parallel. Lesson Overview: 3-9, Using angle relationships to prove that lines are parallel Bellwork: See if you can construct two parallel lines. Hint: it has to do with angles. Review 3-8 Homework: 3-9 (1-18)	Academic Standards: G.CO.9, G.CO.12