Name: Reeck		Grading Quarter: 1	Week Beginning: September 30th
School Year: 2024-2025		Subject: Geometry Honors	
Monday	Notes: Compas, ruler, protractor	**Objective**: Students will understand the importance of rational vs. Irrational numbers and how to perform operations with them. **Bellwork**: multiply: $4\pi \cdot 3 \cdot 5 \div 2$ and determine the answer to the nearest 10,000th. Do not use your calculator until the last step. Now: multiply: $3\sqrt{5} \cdot 4\sqrt{2} \cdot 6$ and round your answer to the nearest 10,000th. Assignment: complete the worksheets. If you finish, try to construct a polar coordinate system for your mandala. Look at the image – you'll try to do this. You have 15 minutes. You are trying to create a foundation for your mandala. **Lesson**: 3.1 Conjectures, counter-examples, and inductive reasoning – patterns. Students will construct the foundation for their mandalas. Polar coordinate system with lines creating squares. **Assignment**: **3.1 (1-23)**	Academic Standards:
Tuesday	Notes:	**Objective**: Students will continue work on the foundations for their mandalas using constructions. **Bellwork** – Share your mandalas with a classmate. **Lesson Overview**: 3.2 Statements, Conditionals, Biconditionals If then statements, Hypothesis, Conclusion, Statement, Converse, Invesrse, Contrapositive Assignment: **3.2 (7-26)**	Academic Standards:

Wednesday	Notes:	**Objective**: Students will continue work on their Mandalas while also examining deductive reasoning through syllogism and detachment. **Bellwork:** Come up with a theme for your Mandalas **Assignment**: Create! 3.3 (1-17)	Academic Standards:
Thursday	Notes:	**Objective**: Students will have the full understanding of what is expected for their mandalas. **Bellwork**: Write out your understanding of rational and irrational numbers. How do we multiply them together? Give some examples... Homework: worksheet on irrational numbers and operations.	Academic Standards:
Friday	Notes:		Academic Standards: