

Name: Reeck		Grading Quarter: 2	Week Beginning: November 18th
School Year: 2024-2025		Subject: Geometry Honors	
Monday	Notes:	<p><b>Objective:</b> Students will prove theorems and solve problems about perpendicular bisectors of line segments – and then they will apply those principles to design problems using perpendicular bisectors of triangles.</p> <p><b>Bellwork:</b> On Graph paper, sketch an isosceles triangle. Draw a perpendicular bisector on the base angle. Now, sketch a scalene triangle. Draw a perpendicular bisector to one of the sides. Make some observations: How are the perpendicular bisectors the same? How are they different?</p> <p>Assignment: 6-1 (1-14, 17-21)</p>	<p>Academic Standards:</p> <p>G.CO.9, G.CO.10</p>
	Notes:	<p><b>Objective:</b> Students will prove theorems and solve problems about angle bisectors – and apply these principles to design problems using angle bisectors in triangles.</p> <p><b>Lesson Foundations:</b> Angle Bisectors, Constructions of, Distance formula, Perpendicular slopes</p> <p><b>Lesson Overview:</b> Angle bisectors, point of concurrency, incenter</p> <p><b>Bellwork:</b> Construct the angle bisector of any angle you draw. Make 3 observations. Think about points. There is something regarding right triangles I want you to discover.</p> <p><b>Homework:</b> 6-2 (1-15) Aleks</p>	<p>Academic Standards:</p> <p>G.CO.10, G.CO.12</p>
Tuesday	Notes:	<p><b>Objective:</b> Students will prove theorems and solve problems about angle bisectors – and apply these principles to design problems using angle bisectors in triangles.</p> <p><b>Lesson Foundations:</b> Angle Bisectors, Constructions of, Distance formula, Perpendicular slopes</p> <p><b>Lesson Overview:</b> Angle bisectors, point of concurrency, incenter</p> <p><b>Bellwork:</b> Construct the angle bisector of any angle you draw. Make 3 observations. Think about points. There is something regarding right triangles I want you to discover.</p> <p><b>Homework:</b> 6-2 (1-15) Aleks</p>	<p>Academic Standards:</p> <p>G.CO.10, G.CO.12</p>
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Wednesday	Notes:	<p><b>Objective:</b> Students will solve problems by applying the Centroid Theorem. They will use altitudes and their understanding of slopes to determine orthocenters of triangles.</p> <p><b>Lesson Foundations:</b> Slope, Perpendicular slope, midpoint</p> <p><b>Lesson Overview:</b> Median, Centroid, Altitude of triangle sides, Orthocenter</p> <p><b>Bell work:</b> Draw a line on graph paper. Find the midpoint. How do you know it's the midpoint? Draw a line. Find a random point not on the line. Connect that point and the line at a right angle.</p> <p><b>Assignment:</b> 6-3 (1-21)</p>	Academic Standards: G.CO.10, G.CO.12
Thursday	Notes:	<p><b>Objective:</b> Students will prove, apply, and solve problems using triangle inequality theorems.</p> <p><b>Lesson Foundations:</b> Angle-side relationships in triangles, logic, Properties of inequalities (pg. 373), Exterior angle theorem</p> <p><b>Lesson Overview:</b> Will primarily do problems as we have already covered these principles prior to fall break.</p> <p><b>Bellwork:</b> Fill out your Math Log</p> <p><b>Assignment:</b> 6-4 (1-16), 6-6 (1-19 odd)</p>	Academic Standards:
Friday	Notes:	<p><b>Objective:</b> Students will practice constructing one of each line on four different triangles.</p> <p><b>Lesson foundations:</b> Points of concurrency.</p> <p><b>Bellwork:</b> Get a graph paper.</p> <p>Review: N/A</p> <p>Assignment: Work on Creating points of concurrency.</p>	Academic Standards: G.CO.9, G.CO.10