

Name: Adam Reeck		Grading Quarter: 2	Week Beginning: November 27th
School Year: 23-24		Subject: Geometry - Honors	
Monday	Notes: Copy of math logs	<p>Objective: Students will solve problems involving relationships between parts of a right triangle and the altitude to its hypotenuse using the geometric mean.</p> <p>Lesson Foundations: Proportions, Triangle similarity</p> <p>Lesson Overview: Geometric mean, properties of the hypotenuse of a right triangle.</p> <p>Bellwork: Draw a right triangle. Label the sides and vertices of the triangle. Now draw an altitude from the right angle to the hypotenuse. Now label the vertices of the new triangles you just created. You now have three similar triangles! See if you can create similarity statements between the three triangles.</p> <p>Check in on Scale model projects. Dividing Radicals</p> <p>Homework: 9.1 (1-15), 9.4 (1-18) odd</p>	Academic Standards: G.SRT.2, G.SRT.3, G.SRT.4, G.SRT.5, G.SRT.6
Tuesday	Notes: Take a picture of Scale Model projects.	<p>Objective: Students will solve problems using trigonometric ratios and their inverse trigonometric ratios for acute angles.</p> <p>Lesson Foundations: Relationships between angles and opposite sides of triangles.</p> <p>Lesson Overview: Trigonometric Ratios, Trigonometric Functions, Inverses</p> <p>Bellwork: Draw and label a right triangle with its vertices and sides. Assign angle values for all angles. Which side is the longest side? How do you know? Which is the shortest side? And how do you know?</p> <p>Check in on Scale model projects.</p> <p>Homework: Kuta WS on Trig ratios, Solving for angles, Solving for sides</p>	Academic Standards: G.SRT.6, G.SRT.7

Wednesday	Notes:	<p>Objective: Students will solve real-world problems using trigonometric ratios and their inverses.</p> <p>Lesson Foundations: 9.4</p> <p>Lesson Overview: Trigonometric Ratios, Trigonometric Functions, Inverses, Angle of Elevation/depression</p> <p>Review Worksheets</p> <p>Bellwork: Check in on Project progress. Show me a picture.</p> <p>Homework: 9.6 (1-18) Aleks</p>	<p>Academic Standards:</p> <p>G.SRT.8, G.SRT.9</p>
Thursday	Notes:	<p>Objective: Students find the areas of quadrilaterals by using the formulas they derive.</p> <p>Lesson Foundations: Quadrilaterals, Area</p> <p>Lesson Overview: Using formulas, solving for different variables in a formula</p> <p>Review Worksheets</p> <p>Bellwork: Use the internet to list every kind of quadrilateral you can think of and write down the formula for its area. Include a diagram.</p> <p>$4x + 2y = 8$ Solve for x, then y $A = \frac{1}{2}bh$ Solve for b, then h $A = \pi \times r^2$ Solve for r</p> <p>Homework: 10.1 (1-25) Circle Area Worksheet</p>	<p>Academic Standards:</p> <p>G.MG.1, G.MG.2</p>
Friday	Notes:	<p>Objective: Students find the areas of circles and sectors by using the formulas they derive.</p> <p>Lesson Foundations: Area of Circles, Fraction review</p> <p>Lesson Overview: Using formulas, solving for different variables in a formula</p> <p>Review Worksheets - Fractions</p> <p>Bellwork: Fraction worksheets</p> <p>Classwork: Fraction thing from Jesse, Sector area worksheet</p>	<p>Academic Standards:</p> <p>G.C.5, G.GMD.1</p>

Think about doing something with exploration