

Name: Thompson		Grading Quarter: 7	Week Beginning: 3/24/25
School Year: 24/25		Subject: Geometry	
Monday	Notes:  <b>Pg. 8-10 Find a Missing Angle</b>	Objective: SWBAT solve problems using the trigonometric ratios to solve for a missing angle.  Lesson Overview: <ul style="list-style-type: none"> <li>• Learn solving for missing angles when you have two known sides.</li> <li>• Practice sheet #1 AND 2</li> <li>• Finish practice #2 for homework</li> </ul>	<u>Academic Standards:</u> <b>G.SRT.6</b> Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles. <b>G.SRT.7</b> Explain and use the relationship between the sine and cosine of complementary angles.
Tuesday	Notes:  <b>Pg. 16-18 Trig. Application Problems</b>	Objective: SWBAT solve real world problems using the trigonometric ratios and their inverses.  Lesson Overview: <ul style="list-style-type: none"> <li>• Learn Trig Application Word problems</li> <li>• Review key words/ phrases               <ul style="list-style-type: none"> <li>○ Angles of elevation</li> <li>○ Angle of depression</li> <li>○ "away from" - horizontal</li> <li>○ Etc.</li> </ul> </li> <li>• Homework: finish page 17 in trig application problems practice.</li> </ul>	<u>Academic Standards:</u> <b>G.SRT.8</b> Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems. <b>G.SRT.9</b> Derive the formula $A = \frac{1}{2}ab \sin(C)$ for the area of a triangle by drawing an auxiliary line from a vertex perpendicular to the opposite side.

Wednesday	Notes:  <b>Module 9 review game</b>	Objective: SWBAT review Trigonometry Unit using study guide. Lesson overview: <ul style="list-style-type: none"> <li>Team up in groups and play trashketball review game, using white boards.</li> <li></li> </ul>	Academic Standards: <b>G.SRT.4</b> <b>G.SRT.5</b> <b>G.SRT.8</b> <b>G.SRT.6</b> <b>G.SRT.7</b> <b>G.SRT.9</b>
Thursday	Notes:  <b>Module 9 project outside</b>	Objective: SWBAT solve real-world problems using the trigonometric ratios and solving for shadows.  Lesson Overview: <ul style="list-style-type: none"> <li>Outside solving for shadows.</li> <li>Students create their measurements and find missing sides and /or angles using their SOH-CAH-TOA ratios</li> </ul>	Academic Standards: <b>G.SRT.4</b> <b>G.SRT.5</b> <b>G.SRT.8</b> <b>G.SRT.6</b> <b>G.SRT.7</b> <b>G.SRT.9</b>
Friday	Notes: Sub  <b>Finish Module 9 assessment / grade</b>	Objective: SWBAT finish outside project for trigonometry unit.  Lesson Overview: <ul style="list-style-type: none"> <li>Finish project outside</li> <li>Turn in</li> </ul>	Academic Standards: <b>G.SRT.4</b> <b>G.SRT.5</b> <b>G.SRT.8</b> <b>G.SRT.6</b> <b>G.SRT.7</b> <b>G.SRT.9</b>