Name: Thompson	Grading Quarter: 6	Week Beginning: 3/03/25
School Year: 24/25	Subject: Geometry	

Monday	Notes: **9-1**	Objective: SWBAT solve problems involving relationships between parts of a right triangle and the altitude of its hypotenuse using the geometric mean. Lesson Overview: • Learn Geometric Mean, with the two types and theorem rules. (attached pdf) • Examples (DI) • Practice sheet and practice in textbook pg. 509 • Pg.511 #'s 2,4,8,10	Academic Standards: **G.SRT.4** Prove theorems about triangles **G.SRT.5** Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.
Tuesday	Notes: **9-2**	Objective: SWBAT solve problems using the Pythagorean Theorem and its converse. Lesson Overview: • Review on Pythagorean Theorem and complete practice problems. (attached PDF) • Textbook extra problems pg. 517 #'s 6,20,21	Academic Standards: **G.SRT.4** Prove theorems about triangles **G.SRT.8** Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applies problems.
Wednesday	Notes: **9-4**	Objective: SWBAT solve problems by using the properties of side ratios in 45 degrees-45 degrees- 90 degree and 30-60-90 triangles. Lesson overview: • Learn "special right triangles" • Complete example problems whole group • Finish practice sheet for homework and classwork	Academic Standards: **G.SRT.6** Understand that by similarity, side ratios in right triangles are properties of the angles in the triangles, leading to definitions of trigonometric rations for acute angles.

Thursday	Notes: **9-4 continued**	Objective: SWBAT solve problems by using the properties of side ratios in 45 degrees-45 degrees- 90 degree and 30-60-90 triangles. Lesson Overview: • Continue notes for special right Finish special right triangles	Academic Standards: **G.SRT.6** Understand that by similarity, side ratios in right triangles are properties of the angles in the triangles, leading to definitions of trigonometric rations for acute angles.
Friday	Notes: Sub **Catch up / ALEKS topics**	Objective: SWBAT complete any missing work from this class and open ALEKS to complete 2 topics.	Academic Standards: