Name: J. Kanouse	Grading Quarter: Q3	Week 9 March 3 - 5, 2025
School Year: 2024-25	Subject: GEOMETRY	

	Notes:		
M o n d a y	Notes:	Objective: SWBAT Identify and define sine, cosine, and tangent as ratios of sides in a right triangle. Use trigonometric ratios to find missing side lengths in right triangles. Apply SOH-CAH-TOA to solve basic trigonometry problems. Lesson Overview: Introduction to Trigonometric Ratios Bell Ringer (5 min): Quick review of right triangles and Pythagorean Theorem. Mini-Lesson (15 min): Explain trigonometric ratios (sine, cosine, tangent) with SOH-CAH-TOA. Guided Practice (15 min): Work through example problems using trigonometric ratios. Independent Practice (15 min): Students solve basic problems finding missing sides using trig ratios. Exit Ticket (5 min): A short question asking students to define one trig ratio and apply it to a given right triangle. Practice and Homework: Trigonometric ratios practice	Academic Standards: G-SRT.6 G-SRT.7 G-SRT.8
T u e s d a y	Notes:	Objective: SWBAT Use trigonometric ratios to find missing angles in right triangles using inverse functions. Solve real-world problems involving right triangles and trigonometry. Explain when to use sine, cosine, or tangent in problem-solving situations. Lesson Overview: Applying Trigonometric Ratios to Solve Problems Bell Ringer (5 min): Review SOH-CAH-TOA with a quick problem. Mini-Lesson (15 min): Introduce inverse trigonometric functions ($\sin^{-1}$, $\cos^{-1}$, $\tan^{-1}$) to find missing angles. Guided Practice (15 min): Solve example problems involving missing angles. Application Activity (15 min): Word problems involving real-world applications (e.g., ladder against a wall, ramp incline). Exit Ticket (5 min): A short problem requiring students to find a missing angle in a right triangle. Practice and Homework:	Academic Standards: G-SRT.6 G-SRT.7 G-SRT.8

	Notes:	Objective: SWBAT practice what they learned about Trigonometric ratios via ALEKS for tomorrow's quiz	Academic Standards:
W e d n e s d a y	SUB	Lesson Overview: Use notes to practice on ALEKS for Quiz on Trigonometric ratios and Pythagorean theorem Practice and Homework: Complete any missing homework	G-SRT.6 G-SRT.7 G-SRT.8
T h u r s d a y	Notes: SUB	Objective: SWBAT show what they learned on trigonometric ratios on ALEKS Lesson Overview: ALEKS Quiz on Trigonometric ratios and Pythagorean Theorem Q3 Reflection Assignment Practice and Homework: Q3 Reflection Assignment	Academic Standards: G-SRT.6 G-SRT.7 G-SRT.8
F r i d a y	Notes: End of Q3	Objective: SWBAT reflect on the quarter and make note of areas where they feel confident and areas where they need improvement before the end of the year. Lesson Overview: Q3 Reflection due Complete any missing work. Practice and Homework: catch up on any missing work.	Academic Standards: G-C.2 G-C.3 G-C.5