

Math Weekly Lesson Preparation Guide

Teacher Name: Kimberly West	Grade: 11 th /12 th Precalculus
Week of: March 24 th thru 28 th	Lesson: Fundamental Trigonometric Identities

Purpose: The Weekly Lesson Preparation Guide is to provide a structure that encourages teachers to think through and internalize the daily/weekly instructional expectations.

Planning Questions		
 Which specific Tennessee standard(s) are being addressed in this lesson? What is the focus of this lesson? What will the lesson objective be for each day? 	 P.G.TI.A.1 Apply trigonometric identities to verify identities and solve equations. Identities include: Pythagorean, reciprocal, quotient, sum/difference, double-angle, and half-angle Vocabulary *Identities *Cofunction Identities *Reciprocal OBJECTIVE: I can use fundamental identities to evaluate trigonometric expressions. I can use fundamental identities to simplify trigonometric expressions. 	
 Modeling: What specific tasks/problems will you use to reveal understanding of the grade-level standard(s)? (refer to the Instructional Focus Document Evidence of Learning Statements 	 Fundamental Trigonometric Identities Part A Uses for identities Evaluate trig functions Simplify trig expressions Develop more identities Solve trig equations 	

Adapted from TDOE Unit and Lesson Preparation Guides



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3. Practice (student task)	*Selective Practice Problems: Board-work/ Handouts/Quizizz/Khan Academy *Look and listen for proper steps and vocabulary used to explain each step in the problem-solving process	
Additional Considerations		
If your lesson contains homework, how will you utilize the work? Will you need to send scaffolding notes home? Is there a strategy you can use to maximize homework?	Homework will be utilized by: Align with Learning Objectives: Ensure that homework directly relates to the concepts taught in class, allowing students to apply their learning. Variety of Tasks: Include different types of problems (e.g., practice, application, extension) to cater to various levels of understanding and to reinforce the concept from multiple angles. Scaffolded Problems: Start with easier problems and gradually increase difficulty. This helps build confidence and understanding before tackling more complex tasks. Extension Challenges: Include a few challenging problems that encourage critical thinking and exploration beyond the basic concepts.	