Grade 11
Distance Learning Module 6: Week of: May 11th – May 15th
Proving Trigonometric Identities

Pre-Calculus Level 2 - *Modified from Unit D - Trigonometry*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Pythagorean, complementary, reciprocal, even-odd identities in trig

Vocabulary: identity, complements, reciprocals, even and odd functions

Skills: Proving trigonometric identities

Expectations:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Trigonometric identities - defining identity, using the Pythagorean identity	Khan video: proof of Pythagorean identity Khan video: using the Pythagorean identity	Khan academy practice Textbook
Tuesday: Other identities - derivations of Pythagorean, reciprocal, complementary	Class notes Video: tips to verifying identities	Textbook problems
Wednesday: Identity practice	Live Session Class notes	Textbook problems
Thursday: Even/odd identities - symmetry	Khan video: symmetry and identities Khan video: rotation and identities	Textbook problems
Friday: Review of identities	Live Session Class notes	Textbook problems

Week criteria for success:

Students will be able to:

- Prove trigonometric identities using the Pythagorean, complementary angles, reciprocal functions, and even odd relationships

Supportive resources and tutorials for the week (plans for re-teaching):

- Office Hours
- Textbook
- Mysecretmathtutor video - proving trig identities
- SmartBoard Notes
- Extra Practice Packets