

Grade 10

Distance Learning Module 8: Week of: May 26th – May 29th

Unit - Circle

Algebra 2 Honors (Level 1) - Modified from [Unit 7 - Trigonometric Functions](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Unit circle definitions of the six trig functions, there are patterns within values of trig functions in the unit circle

Vocabulary: Coterminal, unit circle, reference angle

Skills: Finding trig functions on the unit circle of special angles using points

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	MEMORIAL DAY	NO SCHOOL
Tuesday: Introduction to Unit Circle	Video Tutorial (Khan) : Intro to Unit Circle (SmartNotes)	Khan Practice: Unit Circle Snapshot of Students Textbook assignment solutions
Wednesday: Defining Six Trig Ratios	Video Tutorial (Khan): Ratios of Trig Functions SmartNotes: Unit Circle Practice Worksheet: Exact Trig Values of Special Angles	Khan Practice: Trig Unit Circle Review
Thursday: Completing Unit Circle	LIVE Session (Smart Notes)	Snapshot of Students Textbook assignment solutions
Friday: Reference Angles, Finding Trig Values of non-acute angles	LIVE Session SmartNotes	Snapshot of Students Textbook assignment solutions

Week criteria for success:

By the end of this module, students will be able to:

- ☐ use the unit circle to express the values of sine, cosine, and tangent for $\pi - x$, $\pi + x$, and $2\pi - x$ in terms of their values for x , where x is any real number,
- ☐ Use the unit circle to explain symmetry,

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

- Office hours,
- Textbook,
- Module 8 - Unit Circle Notes
- Unit Circle Tutorial YouTube Video