Grades 11 and 12 Pre-College Algebra & Trigonometry
Distance Learning Module 2:   Week: April 6 (4 days long this week)

Mathematics: PCAT - *Unit 3 Functions*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: functions can be used for making predictions in math, the domain of a function are the possible inputs for which outputs exist, inverses swap inputs and outputs, how the parameters of a function change the parent function graph

Vocabulary: function, inverse function, piecewise function, transformation, interval notation, function notation, symmetry, continuous, domain, range, intercept, inequality, input, output, composition, composite function, parent functions, inverse, reflection, shift, parameter

Skills: using interval notation, reading and representing function notation, interpreting characteristics of graphs, graphing and evaluating piecewise functions, graphing inverse functions, find and verify inverse functions, function composition, function transformations

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Composition of Functions	Khan Academy Video: Evaluating Composite Functions	Khan Academy Classroom Assignment: Evaluating Composite Functions
Tuesday: Composition of Functions	Khan Academy Reading & Practice Optional live Zoom Review	Evaluating Composite Functions Worksheet (students will upload a photo of their work): (PDF Worksheet)
Wednesday: Verifying functions through composition	Khan Academy Video: Verifying inverse functions Khan Academy Video: Verifying inverse functions Part 2	Khan Academy Classroom Assignment: Verifying Inverse Functions
Thursday: Finding the inverse a function	Finding an Inverse Video	Finding an Inverse Function Worksheet

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
		(students will upload a photo of their work): (PDF Worksheet)

Friday – Good Friday - No School

Week criteria for success (attach student checklists or rubrics):

- Evaluating Composite Functions
- Verifying functions are inverses by using function composition
- Finding an inverse of a function

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy, Kuta Software worksheets, Office Hours

YouTube Video on evaluating composite functions: (link to video posted in Google classroom)

Khan Academy Reading and Practice on finding inverse functions: (link posted in Google classroom)