

Grades 11 and 12
 Distance Learning Module 1
 Week: March 30

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: Introduction Video	Video on Google Classroom/Live video	Google Form
Tuesday: Evaluating Piecewise Functions	Khan Academy Video 1 Khan Academy Video 2	Khan Academy Class Assignment: Evaluating Piecewise functions
Wednesday: Evaluating Piecewise Functions	Evaluating Piecewise Worksheet Optional Review session on Zoom	Evaluating Piecewise Worksheet (students will upload a photo of their work) (PDF Worksheet)
Thursday: Graphing Piecewise Functions	Khan Academy Video	Khan Academy Class Assignment: Graphing Piecewise Functions
Friday: Graphing Piecewise Functions	Video on Google Classroom	Graphing Piecewise Worksheet (students will upload a photo of their work)

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

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

- Evaluating Piecewise Functions at different domain values
- Graphing Piecewise Functions

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

Evaluating Piecewise functions (Extra Video on youtube):

Graphing Piecewise functions (Extra Video on youtube):