

Makenna's Math

September 19 - Chapter 1
Materials, videos are linked off google classroom

Algebra 2 Lesson 1.2 – Day 1: Transformations of Linear and Absolute Value Functions

Essential Question: How do the graphs of $y = f(x) + k$, $y = f(x - h)$, and $y = -f(x)$ compare to the graph of the parent function f ?

Lesson Objective(s): Students will write functions representing translations and reflections.
Students will write functions representing stretches and shrinks.
Students will write functions representing combinations of transformations.

Previous Learning: Transformation of functions was introduced in Algebra 1, and students transformed geometric figures in Geometry.

CC State Standards

HSF-BF.B.3

CC Mathematical Practice Focus

MP2, MP3, MP5

Monday: Mrs. Pletcher review with **Chapter 1 Summary** to define translations, reflections, stretch/shrink, and combos and use **Puzzletime 1.1**

Tuesday: Student watches **youtube video** and completed Kuta Software **worksheet** on evaluating functions with notation $f(x)$ for $f(3)$ etc.

Wednesday: Student will watch and copy notes on **1.2 video examples 1-4** on using function substitutions for translations, etc. Links off google classroom.

Thursday: Student will complete 1.2 Student journal practice on **pg. 11,12**

Friday: Student will complete **1.2 Practice A** worksheet.