

creating Equations

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> Math Grades 9–12

Introduction

Use these center activities to differentiate your instruction! Create equations, and explore rational equat quadratic inequality word problems, and exponential function word problems!

Learning Objectives

(<u>CCSS.MATH.CONTENT.HSA.CED.A.1</u>) Create equations and inequalities in one variable and use them to see problems. Include equations arising from linear and quadratic functions, and simple rational and exponent functions.

Materials Needed

- Chromebooks/table/device
- Math Centers (links included)

Procedure

- 1. Students will watch the Khan Academy videos and complete the practice problems. This is a great les virtual learning, as many schools are doing a virtual or hybrid model for the 2020-2021 school year.
 - <u>Rational Equation Word Problems</u>
 - <u>Quadratic Inequality Word Problems</u>
 - Exponential Equation Word Problem
 - After watching the videos, students will complete four practice problems.
- 2. Students will then work on Center Activities.
 - <u>Creating Equations and Inequalities</u>
 - Generate Your Own Worksheet: This will help you differentiate in your classroom.
 - Quadratic Functions Worksheets: Make Your Own. (This will help you differentiate.)
 - Math Worksheets for Kids

Evaluation

There is no rubric with this activity. Any of the centers can be utilized for classwork or quiz grades.

