

LINEAR EQUATIONS

STUDY GUIDE

Homework: {due Friday}

Write a study guide for an 8th grade student on how to include the following:

- How to **calculate** the x-intercept when given an equation.
- How to **locate** the x-intercept on a graph
- How to **identify** the x-intercept among ordered pairs in a Table of Values.

- How to **calculate** the y-intercept given an equation NOT IN $y=mx+b$ form
- How to **locate** the y-intercept on a graph
- How to **identify** the y-intercept among ordered pairs in a Table of Values
- How to **identify** the y-intercept given an equation in $y = mx+b$ form

- How to **create** a point that is a solution to an equation.
- How to **evaluate** whether a given ordered pair is a solution to an equation.

- How to **determine** the slope of a line from a graph.
- How to **calculate** the slope of a line from two points
- How to **calculate** the slope of a line from an equation NOT IN $y=mx+b$ form.
- How to **identify** the slope of a line from an equation in $y=mx+b$ form.

- Illustrate** a positive, negative, zero, and undefined slope

- Explain** how to simplify fractions (slopes) that contain fractions

Be sure to include some examples and graphs.