Linear and Quadratic Functions Unit

Using this study guide will help you prepare for your exam and ensure that you learn the most important content. Keep it in your notebook or computer and take notes as you progress through the unit.

Introduction

1. What are my section goals/objectives?

2. My personal goal is to complete this section by:

Section A: Functions and Relations

What is the difference between a relation and a function?

Give an example of a relation.

Give an example of a function.

How does the vertical line test work?

How does the horizontal line test work?

Rewrite $y = 5x - 2$ into function notation.

How do you find the inverse of a function?

Define domain and range of a function.

Write the definition of the following:

Sum of two functions:

Difference of two functions:

Product of two functions:

Quotient of two functions:

Define $f \circ g$:

Define $g \circ f$: