Precalculus - Algebra: Introduction

This class is designed to prepare you for Calculus! For many students, the most difficult part of calculus is doing the algebra, so we will focus on making sure you have a solid foundation to build on in your future classes.

Content Covered:

* __Ch 1__: Fundamentals (AKA Algebra boot-camp)

* __Ch 2__: Functions

* __Ch 3__: Polynomial + Rational Functions

* __Ch 4__: Exponential + Logarithmic Functions

Selected topics, time permitting:

* __Ch 10__: Systems of Equations + Inequalities

* __Ch 12__: Sequences + Series

WARNING:

You have probably seen a lot of this material before, but don't be tempted to tune out - we will be moving

quickly, and it is easy to fall behind. We may also approach the material in ways you haven't seen before, and you will be expected to gain a deep understanding of the concepts.

An estimated timeline can be found on the last page of the syllabus.

We will make use of the entire 85-minute class period. Typically, we will begin with homework problem presentations, followed by transitional "Warm-up" problems. Afterwards, there will be a mixture of

- Lecture
- Group work / worksheets
- Problem-Solving activities

We have lots to do, so let's get started!

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