

MATH-110: Calculus I

Fall 2016

Siena College

Homework 1

The objective of this homework is for you to check that you have all of the Pre-Calculus skills you will need to do well in this class.

For each question I would like you to show and explain each step you take. It is a very important skill to be able to communicate your thoughts and ideas in an understandable way.

1. Solve for  $x$ :  $5x - 4 = 0$
2. Factor:  $x^2 + 3x - 10$
3. Solve for  $x$ :  $3x^2 + 2x + 1 = 0$
4. Chapter 1.1
  - a) 40
  - b) 82
  - c) 94
5. Chapter 1.2
  - a) 44
  - b) 76
  - c) 82
6. Chapter 1.3
  - a) 11
  - b) 26, 27
  - c) 41-44
  - d) 63, 64
  - e) 81
7. Chapter 1.4
  - a) 15-22
  - b) 75-78
  - c) 83