

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) Problem 40
 - b) Problem 82
 - c) Problem 94
5. Chapter 1.2
 - a) Problem 44
 - b) Problem 76
 - c) Problem 82
6. Chapter 1.3
 - a) Problem 11
 - b) Problems 26, 27
 - c) Problems 41-44
 - d) Problems 63, 64
 - e) Problem 81
7. Chapter 1.4
 - a) Problems 15-22
 - b) Problems 75-78
 - c) Problem 83