Class 3: *Wednesday, September 5*

Reading: *Anton, Bivens & Davis* Section 1.3

New Functions from Old Functions

An important aspect of functions is how one can form new functions from old ones by combining them, or in the language of mathematics, "composing" the functions. We will see how every function that we will be seeing in this class can be written as a composition of elmentary functions. In particular, we will see how these compositions impact the graphs of functions visually

Homework 2: *Anton, Bivens & Davis* §1.3: 1, 2, 4, 5, 13, 29, 30, 38, 39, 40

Lab 1: *Thursday, September 6*

You will be taking your first Quiz in Lab today.

Class 4: *Friday, September 7*

Reading: *Anton, Bivens & Davis* Section 1.4

Families of Functions

Today we will look at the families of functions which most of the functions that we will be dealing with later in the class can be grouped into. It willl help us later when we can identify and characterize a particular given a function as a member of a particular family of functions in order to know what technique we need to apply in order to differentiate it.

Homework 3: *Anton, Bivens & Davis* §1.4: 1, 2 ,4 ,9, 10

Homework 1 & 2 Due in the Math 110 Course Box by 5:00 pm Thursday September 6