Monday, November 5

Assessment after Exam 2.

Wednesday, November 7
Reading: *Anton, Bivens & Davis* Section 5.1

Class 25: L'H*ô*pital's Rule and Indeterminate Forms
We will look at an application of derivatives which allows us to evaluate a whole host of exotic indeterminate forms such as 1^∞, 0^0, $\infty \cdot 0$, ∞^0.

Homework 25: *Anton, Bivens & Davis* §4.4: 1, 2, 5, 6, 14, 15, 19, 21, 26, 28, 38
EXTRA CREDIT 49, 50
Homework 26: *Anton, Bivens & Davis* Chapter 4 Review: 1, 6, 7, 9, 12, 18, 22, 23, 24, 35, 43, 44

Thursday, November 8
Lab 11: A Plethora of Derivatives. Gateway on Derivatives in Lab.

Homework 25 and 26 Due in the Math 110 Course Box by 5:00 pm Thursday November 8

Friday, November 9
Reading: *Anton, Bivens & Davis* Section 5.2

Class 26: Analyzing Graphical Behavior of Functions
We shall be given formal definitions of two properties of the graphs of functions: concavity and whether it is increasing or decreasing on a given interval. We shall relate these properties to the (sign of the) second and first derivatives of the function, respectively.

Homework 27:
Anton, Bivens & Davis §**5.1**: 3, 4, 5, 6, 7, 10, 23, 24, 35, 53, 54

Take Home Quiz