

Monday, November 12

Reading: *Anton, Bivens & Davis* Section 5.4

**Class 27: Analyzing Graphical Behavior of Functions, Part II**

We will continue our analysis of the graphical behavior of functions and be introduced to the First and Second Derivative Tests.

**Homework 28:**

*Anton, Bivens & Davis* §5.2: 1, 2, 4, 5, 15, 16, 17, 18, 19, 25, 28

Wednesday, November 14

Reading: *Anton, Bivens & Davis* Section 5.5

**Class 29: Global or Absolute Extrema**

We shall learn how to find the absolute maximum or minimum value of a function over its entire domain.

**Homework 29:**

*Anton, Bivens & Davis* §5.4: 1, 2, 3, 4, 5, 6, 9, 16, 17, 20. EXTRA CREDIT 39, 40

Thursday, November 15

**Lab 12:** Quiz 9 in Lab. An Exploration of Curve Sketching.

**Homework 27, 28 and 29 Due in the Math 110 Course Box by 5:00 pm Thursday November 15**

Friday, November 16

Reading: *Anton, Bivens & Davis* Section 5.5

**Class 30: Single Variable Optimization Problems**

We will begin looking at applied optimization problems that involve finding the maximum and/or minimum of a continuous function over a finite closed interval.

**Homework 30:**

*Anton, Bivens & Davis* §5.5: 1, 2, 3, 4, 5, 6, 7, 9, 12, 13.