

Monday, October 15

No Class: **Fall Break** (October 15-16).

Wednesday, October 17

Reading: *Anton, Bivens & Davis* Section 3.5

### **Class 18: Trigonometric Functions and Introducing The Chain Rule**

We shall learn how to differentiate trigonometric functions and introduce The Chain Rule, the most powerful and important differentiation rule.

**Homework 18:** *Anton, Bivens & Davis* §3.5: 1, 2, 3, 4, 5, 6, 19, 24, 28, 35

Thursday, October 18

**Lab:** .

**Homework 18 Due in the Math 110 Course Box by 5:00 pm Thursday October 18**

Friday, October 19

Reading: *Anton, Bivens & Davis* Section 3.6

### **Class 19: Chain Rule and Related Rates**

We shall continue learning the most powerful of differentiation rules, the Chain Rule, and see how all Related Rates problems are simply applications of the Chain Rule.

**Homework 19:** *Anton, Bivens & Davis* §3.6: 1, 4, 5, 6, 9, 14, 16, 17, 31 §3.7: 4, 5, 8, 10, 15