Calculus I
Exam II Review

Reminder: The exam is Wednesday, October 7.

General Information: The exam will consist of terms to define, computational problems, and the dreaded true/false. It is worth 100 points.

Chapter Three

- Sections studied: 3.1–3.9
- Terms to know: difference quotient, derivative, differential
- Skills to drill: finding the derivative of a function using the definition of the derivative; finding the derivative of a function using the Sum, Difference, Product, Quotient, and/or Chain Rules; sketching the graph of the derivative of a given function; finding the equation of a tangent line at a given point; using implicit differentiation to find $y'$; applications of the derivative to velocity, acceleration, economics, and biology; setting up and solving related rates problems; setting up and finding differentials and linearizations of given functions;
- Problems to Ponder: Page 197 #1,2,3,5,11,13–39(odd),41,47,53,59,61,63,73,77,79,84