Class 15: Wednesday October 9
Review for Exam 1

During today's class (or before tomorrow's exam!) write some notes to yourself which reflect your understanding of each concept in the class. This might be the relevant formula, or a sentence explaining the concept, algorithm or idea.

Initial Value Problems

Solutions to IVPs

Euler's Method

The SIR Model

Population Models

Other Mathematical Models

The Microscope Equation

Equation of a Tangent Line

Successive Approximations, Algorithms

Newton's Method

Local Linearity, Differentiability, Continuity

Functions of Two Variables

Partial Differentiation

Microscope Equation in 3-dimensions, Equation of (Tangent) Planes

Optimization in 1 and 2 variables