Section 2.1

1. Know the definitions of the following terms.
   
   (a) secant line
   (b) tangent line
   (c) average velocity
   (d) instantaneous velocity

2. Write answers to the following questions in your notebook. (Due Wednesday Sept 18)
   
   (a) Describe the relationship between the secant line and the tangent line.
   (b) Describe the relationship between the average velocity and instantaneous velocity.
   (c) Give an example of a situation where you would want to find the slope of the tangent line (do not use the distance function/velocity example.)

Homework

(a) WebAssign Problems: See WebAssign HW3
(b) Hand-Written Problems to turn in: 2.1: 2 (Due Wednesday Sept 25)