Physics 151 Reading Assignment for September 10 Sections 3.3 to 3.5

3.3 - Coordinate Systems and vector Components

- Components, A_x and A_y - pieces of a vector parallel to the two axes. Very important!

- We use trigonometry to get the numerical values of each component. Page 76 contains all the trig. needed for this class

- Using components to do vector addition - essential.

3.4 - Motion on a Ramp

- Kind of a nice application of vector components but probably not worth taking the time to go over in class

3.5 - Relative Motion

- Very nice and practical application of vector addition

- The notation is fairly tedious but once learned is the best way to remember how to calculate the relative velocity