

## Physics 11 After the Graphing Test Assignment

Read pg. 71 → 80

- 1.) What formula is used to find average velocity?
- 2.)  $\vec{v}_i$  is written as  $\vec{v}_o$  in almost all texts. What do  $\vec{v}_o$ ,  $\vec{v}_f$ ,  $\vec{d}$ ,  $\vec{a}$ , and  $t$  represent and what are the units of each?
- 3.) What is the equation relating displacement, time, initial velocity, and final velocity?
- 4.) Relate this equation to the equation  $\frac{\Delta \vec{d}}{\Delta t} = \vec{v}_{avg}$ .
- 5.) What is the acceleration due to gravity near the earth's surface?
- 6.) What is the initial velocity when an object is dropped?
- 7.) What is the acceleration of any object moving through the air in free fall?
- 8.) What equation relates displacement, acceleration, time and initial velocity?
- 9.) What is the equation relating acceleration, initial velocity, final velocity, and time?
- 10.) What equation relates the two velocities, distance, and acceleration?