| Objective  | Goal | What To Review for the Test  | Yes, I Reviewed the Material | No, I need to Review Material |
| --- | --- | --- | --- | --- |
| Velocity and Acceleration in a straight line | Given a graph of one of the kinematic quantities, position, velocity or acceleration as a function of time, they can recognize in what time intervals the other two are positive, negative or zero and can identify or sketch a graph of each as a function of time.  | PPT (Slides 1-27) Note, Section 2.1-2.4 P. 17-29 |  |  |
| Conceptual Questions 1-3, 5, 6, 9Conceptual Exercises 1,2,6Problems 1,3,7,8,9,12,15,26a-d, 28,32,34,37 |  |  |
| Practice Problems |  |  |
| Physics 500 Lab1 D motion Lab |  |  |
| Special Cases of constant accelerationFree Falling | Write down expressions for velocity and position as a function of time and indentify or sketch graphs of these quantities.Use the equation **v= v0 + a*t*, x = x0 + v0*t* + 1/2 a*t2*** and **v2 = v02 + 2a(x**-**x0)** to solve problems involving one-dimensional motion with constant acceleration | PPT (slides 28-48), Notes, Section 2.5-2.7 p. 29-43 |  |  |
| Conceptual Questions 9,11,15,16Conceptual Exercises 9, 10Problems 39,40,42,44,45,48,52,58,60,64,66,74 |  |  |