

## Lecture 2

### Pre-Lecture Preparation:

- Read pages 42 – 68 and be able to answer the following:
  - 1) Book Conceptual Question (p. 79): 16, 20, and 21
  - 2) Book Problems (p. 83): 20, 23, and 46

### Goals for the Lecture:

- 1) Given one of the following three graphs:  $x$  vs  $t$ ,  $v$  vs  $t$ , and  $a$  vs  $t$ , be able to draw the other two
- 2) Be able to solve 1-D kinematics problems (constant acceleration) using the equations and a graphical approach

### Post-Lecture Study Guide:

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas.

Do problems:

Ch 2: 29, 49, and 50

Continue with the additional recommended study problems from chapter 2