

Lecture 3

Pre-Lecture Preparation:

- 1) Read pages 87 – 104 (this is on vector addition)
- 2) Read pages 105 – 110 (this is on projectile motion [2-D kinematics])
- 3) Do the Conceptual Questions (p. 122-124) 4, 13, and 14
- 4) Do Problems and Exercises (p. 125-130) 2, 5, and 26

Goals for the Lecture:

- 1) Be able to add vectors graphically and using components (trig functions)
- 2) Begin solving 2-D kinematics problems

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: 14, 22, 25, and 27

Continue with the additional recommended study problems from chapter 2