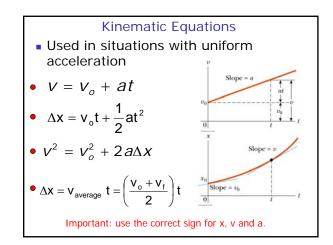
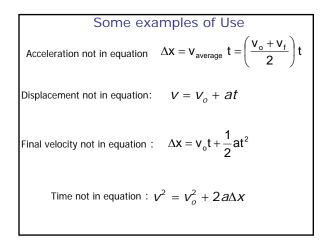
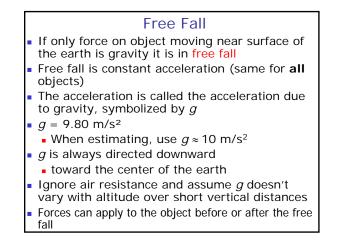
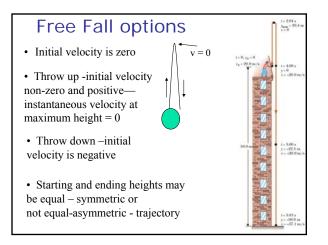
Phy 2053 Announcements

- Homework 1 due Jan 21 is posted in
- webassign. It will count towards course grade.3 more days to register your code in
- webassign
- Yellow book (past exams and solutions) available at Target Copy for \$16
- Should have received email listing your clicker response. Clicker questions will count towards course grade starting Jan 27.
- Optional solution manual: a limited number of copies will be available today at the UF bookstore, at ~ \$54. It contains solutions to some but <u>not all</u> of the problems at the back of chapters.



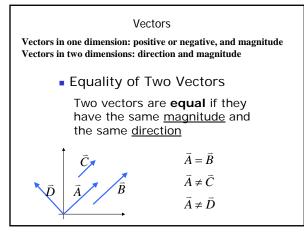


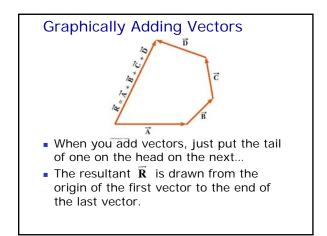


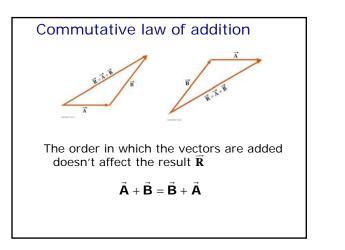


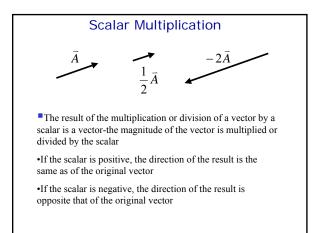
A Typical Problem

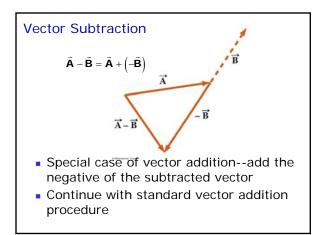
2-53. A model rocket is launched straight upward with an initial speed of 50.0 m/s. It accelerates with a constant upward acceleration of 2.00 m/s² until its engines stop at an altitude of 150 m. (a) what can you say about the motion of the rocket after its engines stop? (b) What is the maximum height reached by the rocket? (c) How long after lift-off does the rocket reach its maximum height? (d) How long is the rocket in the air?

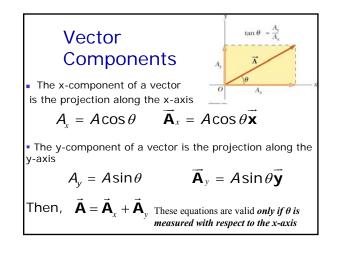


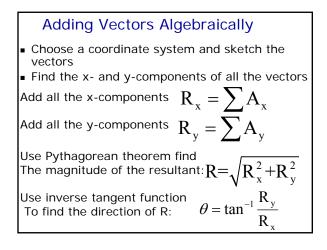












3.18 A small map shows Atlanta to be 730 miles in a direction 5° north of east from Dallas. The same map shows that Chicago is 560 miles in a direction 21° west of north from Atlanta. Assume a flat Earth and use the given information to find the displacement from Dallas to Chicago.

