PH 50 Classical Mechanics Spring 2003

PROBLEM SET 6 and READINGS

Reading: Textbook, Chapter 6; Chapter 7, Sections 7.1 and 7.2 (again).

Homework Problems (due Wednesday, Mar. 12, in class)

1. Textbook, Problem 6.3.

2. In class, I proved the Lemma of Variational Calculus, i.e. the fact that (6.17) implies (6.18). Write out the proof for yourself and generalize it to show the result for systems with several degrees of freedom, i.e. show that (6.56) implies (6.57)
