

Physics 106A: Classical Mechanics
Homework 2: Canonical Transformations and the Hamilton Jacobi
Equation

DUE: Thursday, January 18 2001

Remember: Late homework will be granted 50% credit UNLESS PRIOR ARRANGEMENTS ARE MADE WITH ME OR A TA. If you have an extension, please indicate who granted it clearly on the top of the paper OR YOU WILL NOT GET FULL CREDIT.

Reading Assignment: Hand and Finch Chapter 6 (required), Goldstein p. 391 – 396 (supplemental)

1. H&F Chapter 6, Problem 2
2. H&F Chapter 6 Problem 3
3. H&F Chapter 6 Problem 9
4. H & F Chapter 6 Problem 14

Presentation Problem 2 - Assigned to group 2
For class January 16 (tuesday)

Hand and Finch Chapter 6, problem 12