Phys 503 Classical Mechanics I

Homework Assignment #7 (60 points) Due Tuesday, December 3 (at lecture)

7.1 (10 points) Goldstein 9.7

Part (b) should read "Find a generating function of the F_3 type for the identity transformation and of the F_4 type for the exchange transformation."

7.2 (10 points) Goldstein 9.23

7.3 (10 points) Goldstein 9.25

 $7.4~(10~{\rm points})$ Goldstein9.39

7.5 (10 points) Challenge problem (a)

7.6 (10 points) Challenge problem (b)

Fall 2013