

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01X

Fall Term 2002

PROBLEM SET 10

Handed out: November 8

Due: November 15 at 4 pm in 4-339B.

Please write your name, subject, **recitation number**, and the name of the recitation instructor on the top right corner of the first page of your homework solutions. The solutions should be placed in the appropriate box in room 4-339B. Note that sometimes you will be able to check your answer at the back of the book. You must always show your work for credit.

Problem 1: Young and Freedman 8-79. (Note: if you use the relation from part (d) of 8-78, you must derive it. The procedure outlined in 8-78 will help.)

Problem 2: Young and Freedman 16-25.

Problem 3: Young and Freedman 9-6.

Problem 4: Young and Freedman 9-36.