

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
Department of Physics

Physics 8.01X

Fall Term 2002

## **PROBLEM SET 12**

**Handed out: November 27**

**Due: December 6 at 4 pm**

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

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 11-24.

**Problem 2:** Young and Freedman 14-17.

**Problem 3:** Young and Freedman 14-34.

**Problem 4:** Young and Freedman 14-56.