MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Physics

Physics 8.01L **Fall 2005**

Problem Set 7: Energy and Momentum

Due Thursday, November 10 NOTE EARLY DUE DATE!
Turn in during class at 10am or by 6:30pm.

Please write your name, recitation number, table number, and tutor name on the top right corner of the first page of your homework solutions. Please place your solutions in the Problem Set Solution hand-in bin at the entrance of the classroom.

Reading:
Young & Freedman Chapter 7 (Sections 7.2-7.5) & Chapter 8 (Sections 8.1-8.4)

Problem 1 Springy Incline
Young & Freedman Problem 7.73 (Page 280)

Problem 2 Working Against a Spring
Young & Freedman Problem 7.75 (Page 280)

Problem 3 Strange Potential
Young & Freedman Problem 7.86 (Page 281)

Problem 4 Hockey Momentum
Young & Freedman Problem 8.17 (Page 318)

Problem 5 Spring Momentum & Energy
Young & Freedman Problem 8.19 (Page 318)

Problem 6 Bullet Momentum & Energy
Young & Freedman Problem 8.77 (Page 322)