

Massachusetts Institute of Technology

Physics 8.09 Fall 2006

Homework 8

due Monday, November 8, 2006 at 12:30 PM

Suggested Reading

Lecture Material, Goldstein Sections 4.9, 4.10, 5.3 and 5.4. Also Chapter 10, Marion and Thornton.

Problems

Problem 8.1 (25 pts)

Goldstein, Exercise 22, page 183

Problem 8.2 (25 pts)

Marion and Thornton 10-12

Problem 8.3 (25 pts)

Marion and Thornton 10-15

Problem 8.4 (25 pts)

Goldstein, Exercise 17, page 235