

Massachusetts Institute of Technology

Physics 8.09 Fall 2006

Homework 7

due Monday, November 6, 2006 at 12:30 PM (Note unusual date)

Suggested Reading

Goldstein Collisions 3.10-3.11, lecture material, Marion and Thornton 9.6-9.10 (Goldstein doesn't contain a lot about scattering)

Problems

Problem 7.1 (20 pts)

Marion & Thornton 9-26

Problem 7.2 (20 pts)

Marion & Thornton 9-33

Problem 7.3 (20 pts)

Marion & Thornton 9-45

Problem 7.4 (20 pts)

Marion & Thornton 9-48

Problem 7.5 (20 pts)

Marion & Thornton 9-50