PHY140Y

Foundations of Physics
1998-99
Problem Set 7

February 12, 1999

HANDED OUT: Friday, February 12, 1999

DUE: 11:10 PM, Friday, March 1, 1999
Late penalty = 5 marks/day, but as solutions become available the following Monday, no assignments will be accepted after that date.

NOTES: Answer all questions.
50% will be awarded for making reasonable attempts to answer all questions.
50% will be awarded for correct answers to a subset of the questions.
Show all your work, and remember to include units!

QUESTIONS:

1. Chapter 23, Problem 34, Page 581
2. Chapter 23, Problem 42, Page 581
3. Chapter 24, Problem 22, Page 610
4. Chapter 24, Problem 36, Page 611
5. Chapter 25, Problem 20, Page 637
6. Chapter 39, Problem 2, Page 1056
7. Chapter 39, Problem 8, Page 1057
8. Chapter 39, Problem 18, Page 1057
9. Chapter 39, Problem 24, Page 1057
10. Chapter 39, Problem 62, Page 1059