

PHY140Y

Foundations of Physics

1999-00

Problem Set 7

February 8, 2000

HANDED OUT: Tuesday, February 8, 2000

DUE: 12:10 PM, Tuesday, March 7, 2000
Late penalty = 5 marks/day

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 39, Problem 4, Page 1070
2. Chapter 39, Problem 16, Page 1071
3. Chapter 39, Problem 28, Page 1071
4. Chapter 39, Problem 44, Page 1071
5. Chapter 39, Problem 52, Page 1072
6. Chapter 39, Problem 56, Page 1072
7. Chapter 40, Problem 10, Page 1096
8. Chapter 40, Problem 20, Page 1096
9. Chapter 40, Problem 31, Page 1097
10. Chapter 40, Problem 32, Page 1098