

PHY140Y

Foundations of Physics

1999-00

Problem Set 8

March 9, 2000

HANDED OUT: Thursday, March 9, 2000

DUE: 12:10 PM, Tuesday, March 28, 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 41, Problem 14, Page 1130
2. Chapter 41, Problem 22, Page 1130
3. Chapter 41, Problem 28, Page 1130
4. Chapter 41, Problem 48, Page 1131
5. Chapter 41, Problem 52, Page 1132
6. Chapter 43, Problem 2, Page 1188
7. Chapter 43, Problem 20, Page 1189
8. Chapter 43, Problem 30, Page 1189
9. Chapter 43, Problem 38, Page 1189
10. Chapter 43, Problem 50, Page 1190