

PHY140Y

Foundations of Physics

1999-00

Problem Set 5

January 6, 2000

HANDED OUT: Thursday, January 6, 2000

DUE: 12:10 PM, Tuesday, January 25, 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 9, Problem 2, Page 234
2. Chapter 9, Problem 8, Page 234
3. Chapter 9, Problem 20, Page 235
4. Chapter 9, Problem 26, Page 235
5. Chapter 9, Problem 28, Page 235
6. Chapter 9, Problem 34, Page 235
7. Chapter 9, Problem 40, Page 235
8. Chapter 9, Problem 46, Page 236
9. Chapter 9, Problem 48, Page 236
10. Chapter 9, Problem 64, Page 237