

PHY140Y
Foundations of Physics
1999-00
Problem Set 6
January 25, 2000

HANDED OUT: Tuesday, January 25, 2000

DUE: 12:10 PM, Tuesday, February 8, 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 23, Problem 34, Page 596
2. Chapter 23, Problem 50, Page 597
3. Chapter 24, Problem 18, Page 625
4. Chapter 24, Problem 34, Page 626
5. Chapter 12, Problem 6, Page 307
6. Chapter 12, Problem 24, Page 308
7. Chapter 12, Problem 44, Page 309
8. Chapter 13, Problem 6, Page 330
9. Chapter 13, Problem 20, Page 331
10. Chapter 13, Problem 30, Page 331