
**PHY 140Y – FOUNDATIONS OF PHYSICS
2001-2002
Problem Set #1 – Marking Scheme**

HANDED OUT: Friday, September 21, 2001 (in class).

DUE: 5:00 PM, Thursday, October 4, 2001 in the appropriate box, labeled by tutorial group, in the basement at the bottom of the stairs leading down from MP202.

LATE PENALTY: 5 marks/day (which also applies to weekend days!) until 2:00 PM, Tuesday, October 9 (revised from October 8), after which it will not be accepted as solutions will then be available in tutorials and on the WWW.

NOTES: Answer all questions. A selected subset (3-4) will be marked out of 100%. Marks will be given for workings and units, as well as for final answers.

QUESTIONS TO BE MARKED:

Four questions, each worth 25%, with partial marks assigned as follows.

3.
 - (a) 4 marks
 - (b) 4 marks
 - (c) 4 marks
 - (d) 4 marks
 - (e) 9 marks

4.
 - (a) 3 marks
 - (b) 5 marks
 - (c) 5 marks
 - (d) 4 marks
 - (e) 4 marks
 - (f) 4 marks

5.
 - (a) 12 marks (give partial marks for each step in this solution)
 - (b) 13 marks (ditto)

6.
 - (a) 3 marks
 - (b) 10 marks (1 mark for each requested equation)
 - (c) 6 marks
 - (d) 6 marks