
**PHY 140Y – FOUNDATIONS OF PHYSICS
2001-2002
Problem Set #4 – Marking Scheme**

HANDED OUT: Friday, November 16, 2001 (in class).

DUE: 5:00 PM, Thursday, November 29, 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 1:00 PM, Monday, December 3, 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, with partial marks assigned as follows.

2. (a) 12 marks (4 marks for each constant)
[30] (b) 4 marks
(c) 8 marks (4 marks for each parameter)
(d) 6 marks

4. 20 marks

6. (a) 8 marks
[20] (b) 8 marks
(c) 4 marks

8. (a) 3 marks
[30] (b) 8 marks
(c) 3 marks
(d) 8 marks
(e) 8 marks