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**PHY 140Y – FOUNDATIONS OF PHYSICS  
2001-2002  
Problem Set #2 – Marking Scheme**

**HANDED OUT:** Friday, October 5, 2001 (in class).

**DUE:** 5:00 PM, Thursday, October 18, 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, October 22, 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.**

2. (a) 5 marks  
(b) 10 marks  
(c) 10 marks
  
4. (a) 15 marks (5 marks each for velocity eqn, diagram, answer)  
(b) 10 marks
  
5. 25 marks (give partial marks for each step in this solution)
  
7. (a) 5 marks  
(b) 5 marks  
(c) 10 marks  
(d) 5 marks