Physics 340
Homework #5
due Tuesday, 4 October 2011

Turn in solutions to the following problems at the beginning of class on 
Tuesday. As usual, if you use outside sources or computer software to help 
you in your solution, note them accordingly. Include any C++ or Mathemat-
ica or Maple code that you used, together with its output. Problems marked 
with an asterisk (*) may involve a bit more work than the others and so are 
worth twice as many points.

(1) Do problem 7.4 in the text.
(2) Do problem 7.8 in the text.
(3) Do problem 7.14 in the text.
(4) Do problem 7.15 in the text.
(5) Do problem 7.21 in the text.