Physics 221 answers to even problems Fall/09

7th HW assignment;

Page 7B #1. 4.7 m/s  #2. 2.3 m/s  #4. .88 m
#7-46 a. 2.5R  b. 31 m/s, 49 m/s^2, 9.8 m/s^2, ...

AP#7 a. 2.1 m  b. 1.1 m

8th HW assignment;

Page 8B. #2. gain of 350 J  #3. 3.1 kN  #4. 136 N
#8-28 a. \{ 21, 29 \} m/s  b. 19.6% dissipated
#8-74 .23 m
AP#8 a. 1.23 m  b. .091 m, ...

9th HW assignment;

Page 9B #1. 6.3 m/s  #2. ..., 4.2 m/s  #4. loss of 13.2 J
#4. only one solution, ...

#8-62 a. 7.2x10^{-66}, ...  b. .22, ...

AP#9 a. 9.8 s, ...  b. ..., 30. kg

Review for 3rd test (46pts in class)(12/4/09) (will be much like last years)
(4 points will be take home)

I. (12 pts) like page 9B
II. (15 pts) like page 7B.
III. (15 pts) like page 8B and last year's test.
IV. (4 pts) some problem from the weeks 7 through 9.