

Homework Assignment #4 Name _____

due in class Friday, September 30

Cover sheet : Staple this page in front of your solutions.

Write the requested *answers* (without calculations) on this page;
write the detailed *solutions* on your own paper.

[17] Problem 2.23.* *Answer: the terminal speed for the parachutist is ...*

[18] Problem 2.31.** *Answer: the time for the basketball to fall to the
ground from a 30 m tower is ...*

[19] Problem 2.41.** *Answer: the calculated value of y_{\max} is ...*

[20] Problem 2.53.* *Answer: describe the particle's motion ...*

[20x] Problem 2.43.*** [computer]

Hand in the computer program, calculations, and plots.

*Answer here: the horizontal distance where
the ball hits the ground is ...*
