PHYS 101

Homework # 1
DUE DATE:
September 23, 2008

Please do not submit copycat answers from the solutions book. You should at least show your understanding of the problem. Otherwise, this will be considered as cheating.

1) Find, learn, memorize and list the meanings of the following words. List the Turkish equivalent (if you speak Turkish). You can use any dictionary. a) Friction b) Vertical c) Horizontal d) Simultaneous e) Interpret f) identical g) force h) weight i) position j) Speed k)Velocity l)Acceleration m) resistance n) density o) increasing p) decreasing r) continuos s) extend t) beyond u)inertia v) rotation w)gravitation x)circular y)conservation z)mass

2) One of the most important numbers in Physics is Planck's constant: $6.6260755 \times 10^{-34}$ kgm^2/s. Express this number with a) 4 significant digits b) 3 significant digits c) 5 significant digits d) 6 significant digits. e) 1 significant digits.

3) Question 1.6   in the text. Chapter 1.
4) Question 1.7   in the text. Chapter 1.
5) Question 1.9   in the text. Chapter 1.
6) Problem 1.62   in the text. Chapter 1.
7) Problem 1.66   in the text. Chapter 1.
8) Problem 1.67   in the text. Chapter 1.