

# CSI 201 — Computer Science I

Homework #02 - due February 6th, 2006

Write the following program by hand on paper.

Write a program to compute the distance  $s$  an object moves according to acceleration  $a$  and time  $t$  input by the user. The formula to compute distance from these inputs is:  $s = \frac{1}{2}at^2$ . Negative acceleration is okay, but negative time does not make sense. Your program should declare the appropriate variables, prompt the user for input, check for correct values in the input, compute the calculations and then output the result. Sample program execution is attached.