Name:───────────────────────────

The University of Alabama in Huntsville
PH 652   Quantum Mechanics II
Homework Assignment 10-1

Turn in this assignment page on top of your solutions. Solutions must be neat and readable. No credit for anything that is not. Clearly indicate your final answers.

Question:	1	2	3	Total
Points:	25	5	10	40
Score:				

1. This is some text and maybe math.

   (a) The first part.   [5 points]
   (b) The second part.   [15 points]
   (c) The third part.   [5 points]

   Total for Question 1: 25 points

   Solution: The solution goes here.

   (a) The solution goes here.

   (b) The solution goes here.

   (c) The solution goes here.

2. Problem 10-1.   [5 points]

   Solution: Solution to the question.

3. What is Newton's Second Law?

   A. $\mathbf{F} = m\mathbf{a}$

   B. $S = k_\mathrm{B} \ln \Omega$

   C. $p_x = (\hbar/i)\partial_x$

   D. $v_x = \mathrm{d}x/\mathrm{d}t$

   [10 points]

Solution: The answer is A.