Before beginning this homework assignment, please review the guidelines for submitting homework. Please write down the total amount of time spent working on the assignment at the top of what you turn in.

1. **INTRODUCING.... MATHEMATICS!**

   (1) Read Houston, chapters 2, 3, and 6.
   
   (Chapters 2 and 3 give very good advice and you should look over these chapters again during the semester. Spend more time on Chapter 6 which introduces most of the fundamental logical ideas we’ll need this semester.)

   (2) Read Taylor, chapter 1
   
   (These notes are somewhat sketchy and correspond to material in Houston’s book. What Houston calls a “conditional statement” I refer to as a “predicate”.)

   (3) Do Exercise 6.11 on page 61 of Houston.

   (4) Do Exercises 1 - 8 on from Section 1.3 of Taylor’s notes.

   (A few of these problems overlap with the assigned problems from Houston’s book. You do not need to recopy your work. Simply explain how what you did for Houston’s exercises solves the corresponding problem here. Some of these problems are easiest to answer using a truth table. Be sure that you write a sentence explaining how the truth table demonstrates the answer to the exercise.)

2. **INTRODUCING.... \LaTeX!**

After this first week, you’ll be required to type (in \LaTeX) the solution to at least one problem per assignment. In this first assignment, take some time to read the course webpage on \LaTeX, decide how you’ll use it, and figure out how to compile the supplied \LaTeX template file. You should also read the source code for the template and play around with making your own \LaTeX document.

Read the following sections of the wikibook \LaTeX. You do not need to have read this all by Friday’s class. Section 1.4 (Basics), 2.1.1 (Global Structure), 4.1 (Mathematics).

You may also find the following sections from *The not so short introduction to \Bf\TeX* helpful: Sections 1.1 - 1.4, 1.6.1, 2.1, 2.4, 2.7 (first paragraph), 2.8, 2.10, 2.11.1, and especially 3.1, 3.2, 3.3, 3.6,