

# CS-370 Computer Architecture

## Assignment #1

(5 pts)

**Due: 27 September 2017 Wednesday in class**

- Please type the solutions using a word processor such as WORD, Latex, etc., or write by hand very neatly and legibly, comparable to typing\*.
- Please pay special attention to the due date – no late turn ins or special case consideration.
- Please do the following problems from the text, and submit solutions:

1. Problem 1-9 {please ignore the “Octal” part}
2. Problem 1-12
3. Problem 2-3 (a)
4. Problem 2-6
5. Problem 2-11 {please ignore “maxterms of each function” in (a)}
6. Problem 2-17
7. Problem 2-20
8. Problem 3-9
9. Problem 3-10
10. Problem 3-11

\* The preferred format is typing with a word processor for the following reasons:

1. You have a copy in your computer that you can study for exams or future use.
2. You will learn to use a word processor (if not already learned) to do math, diagrams, etc. This will be one of the most useful things in your career.
3. You have a backup copy in case of lost or misplaced assignment.
4. A typed assignment helps the grader to spend less time and to be more accurate in grading. Our class is multi-national, and it is hard and time consuming to decode many different hand writing styles.