Problem Set 1

Note: Each problem is to be done on a separate sheet(s) of paper. Mark the top of each sheet with your name, e-mail address, CSE 103, Section #, the problem number, and the due date. All submitted material must be placed inside a pocket folder with your name and course labeled on the outside.

**Problem 1-1** [11 points]
Write answers for problems 8 - 29 on page 23 and 24 of the textbook.

**Problem 1-2** [6 points]
Draw a hierarchy chart for problem 31 on page 24 of the textbook.

**Problem 1-3** [3 points]
Find the error for problem 36 on page 26 and rewrite the pseudocode.

**Problem 1-4** [10 points]
Write an algorithm to calculate the change remaining from a dollar after a purchase is made. Assume that the cost of the goods purchased is less than a dollar. The change received should consist of the smallest number of coins possible.