

22C:060 Computer Organization

Homework 1

Assigned June 14, 06

Due June 19, 06 in class

Total Points = 50

Solve the following problems from your textbook. I am assuming that all of you are using the first edition of the book.

Problem 1. Chapter 1, Exercise 10

Problem 2-5. Chapter 2, Exercises 2(c), 4(b), 6(c), 34 (b)

Problem 6-7. Convert the following decimal numbers into floating-point binary format using the IEEE 754 single precision format that uses an 8-bit exponent and a 23-bit significand: (a) -11.625 (b) $+0.15625$