Homework Assignment #2

0) Read/Re-read Chapters 1 and 2 of the course textbook.

1) Do Exercise 1.5 (part a) on page 55 of the textbook. Show complete work with units indicated in every step.

2) Do Exercise 1.6 (part a) on page 55 of the textbook. Make sure that you also answer the question “Which is faster: P1 or P2?” and justify your answer show complete work with units indicated in every step.

3) Do Exercise 1.12 (do only part: 1.12.1) on page 58 of the textbook.

4) Give the two’s complement 16-bit representation of the following decimal numbers:
   a) 225   b) -83   c) -176

5) Give the one’s complement 16-bit representation of the following decimal numbers:
   a) 41   b) -82

TURN IN:

The assignment is due at the start of class on Tuesday, September 15th. Submission to Canvas is required.