

CS 272 - Fall 2017

Homework 2

Due: Wednesday, September 27

Do the following questions from the Self-Tests in Chapter 2 (page 17), Chapter 4 (page 51), and Chapter 5 (page 66) of the book. Submit your answers on paper in class.

- 1) Chapter 2 Self-Test, question 1. Assume that the current is constant (i.e. average current is ok).
- 2) Chapter 4 Self-Test, question 3 (all parts).
- 3) Chapter 4 Self-Test, question 9.
- 4) Chapter 5 Self-Test question 4 a through c. Use Ohm's Law.
- 5) Chapter 5 Self-Test question 5.
- 6) Find the current through, and voltage drop across, each of the resistors in the circuit below. You will need to use mesh currents analysis.

