CS 272 - Fall 2017
Homework 3
Due: Wednesday, October 11

Do the following questions from the Self-Tests in Chapter 7 (page 86) and Chapter 11 (page 132) of the book. Submit your answers on paper in class.

1) Chapter 7 Self-Test, question 4.
2) Chapter 7 Self-Test, question 5.
3) Chapter 11 Self-Test, question 7.
4) Chapter 11 Self-Test, question 8.
5) Chapter 11 Self-Test question 9. The wording is a little funky on this question in the book. The book is asking you to make a table, but instead I want you to make graphs. You should have two graphs, the first one will look like the graph of capacitor charging like what we did in Lab 2. And the second graph will be the same type of graph but should show voltage when the capacitor discharges (instead of charging). The x- and y-axis will be time and voltage, respectively. The book never introduces the exponential equations that we used in class, feel free to either use those equations or use the the time constant approximations to come up with the plots.