

# EECS 203 – Homework 9 – Winter 2017

This homework assignment consists of problems from the textbook (Rosen, 7th edition – if you are using an earlier edition, it is your responsibility to make sure that you have the correct problems).

The homework should be submitted as a PDF through *Gradescope* (see instructions on course site for more details). We strongly prefer students to compose homework solutions using a word processor (Google docs or MS Word), or ideally using LaTeX, but we will accept handwritten homework submissions

scanned/photographed and converted to PDF. Note that submitted files must be less than 50mb in size, but they really should be much smaller than this. No email or Piazza regrade requests will be accepted. For more detail on regrade requests, please refer to course policies.

**\*\*For multi-part problems (i.e., those containing parts a, b, etc.), if we do not specify which parts you must complete, then you are expected to complete all parts.\*\***

**\*\*\*Unless explicitly specified below, you must provide some sort of explanation or justification for yes/no, true/false, multiple choice, and any other questions where it may be tempting to put down just the answer. Answers only will receive little or no credit.\*\*\***

Section	Page	Problem	Points
7.4		12 ("Suppose that we roll a fair die until ...")	4
		22 ("Prove the law of total expectations ...")	3
		28 ("What is the variance of the number ...")	3
		38 ("Suppose that the number of cans of soda ...")	4
9.1	581	6 a,c,e,g,h ("Determine whether the relation R on the set....")	5
	582	34 a,c,e,g (" Find a) $R_1 \cup R_3$ . b) $R_1 \cup R_5$ ...")	4
	582	36 b,d,f,h ("Find a) $R_1 \circ R_1$ . b) $R_1 \circ R_2$ ...")	4
9.2	590	12 ("What do you obtain when you apply...")	1

**Due Thursday March 16th 11:55pm. No late homework accepted.**

Disclaimer: Not all problems may be graded.