HW2 ECE2000 Au 2015

Lectures Covered: Lesson5 - Lesson9

Show all relevant steps. Don’t just write down the answers.

Late HWs will not be accepted. Lecture Students: turn in your HW in class. Recitation students: turn in your HW at the ECE Office Front Desk. HWs turned-in anywhere else will not be accepted.

Show your work on these pages, attach additional pages if necessary.

- Be sure to organize the pages in order and staple them all together, otherwise you will lose one point

- Fill out the following section. You will lose an additional point if you fail to provide these details

Your Last Name________________________________________ Your First Name_____________________________________

1. Lecture Student _________ or Recitation Student__________ (check one)
2. If Recitation then fill out the following
   Name of recitation instruction________________________ Date/time of recitation______________

Problems start from next page. Each problem is worth 1 point.
The problem numbers are from your text book (both the 6th and 7th edition will work)

1) Problem 4.6
The problem numbers are from your text book (both the 6th and 7th edition will work)

2) Problem 4.7
The problem numbers are from your text book (both the 6th and 7th edition will work)

3) Problem 4.13 (Use K-Maps to simplify)
The problem numbers are from your text book (both the 6th and 7th edition will work)

4) Problem 4.25 (a)
The problem numbers are from your text book (both the 6th and 7th edition will work)

5) Problem 4.25 (b)
The problem numbers are from your text book (both the 6th and 7th edition will work)

6) Problem 5.14 c. Instead of the expression give in the book use \( f_3 = r's + r't' + st' \). You can use K-Maps to answer this question.
The problem numbers are from your text book (both the 6th and 7th edition will work)

The problem numbers are from your text book (both the 6th and 7th edition will work)

8) Problem 5.17
The problem numbers are from your text book (both the 6th and 7th edition will work)

9) Problem 5.24  b. Use K-maps (d represents don’t care)
The problem numbers are from your text book (both the 6th and 7th edition will work)

10) Problem 5.29 a (ignore the part of the problem statement that says "express your answer in both decimal and algebraic notation". Just express your answer as an algebraic expression)