HW2 ECE2060 Au 2016

Lectures Covered: Lesson 5 - Lesson 9

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________________

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

Problems start from next page. Each problem is worth 1 point.
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)
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 $f_3 = rs' + r't' + st'$. You can use KMaps to answer this question.
The problem numbers are from your text book (both the 6th and 7th edition will work)

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8) Problem 5.17
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)