

COE/EE 243
Homework Assignment #3
Due Friday February 21 by 5:00pm

Show your work on all of the problems below. If you want to see sample problems with solutions go to <http://www.ddpp.com/student/student.html> or the examples on the course web page.

1. Problem 4.16 parts (a) and (b)
2. Problem 4.16 parts (c) and (f)
3. Problem 4.47
4. Problem 4.48
5. Problem 4.69 parts (c) and (d)
6. Problem 4.70 parts (c) and (d)
7. Problem 4.72 (c)
8. Find the minimum Sum of Products expressions for the following:
 - A $f(a, b, c, d) = \prod_M(0, 2, 4, 6, 8) \cdot \prod_D(1, 12, 9, 15)$
 - B $f(a, b, c, d) = \sum_m(0, 2, 4, 6, 8) + \sum_d(1, 12, 9, 15)$