**ChE 320 Homework 4:**

**Due Wednesday, Feb 8, 2017 by 11:30 am at EE129**

**Instructions:** Please complete the following problems on separate, numbered pages. Use the homework cover page available in Blackboard. Start each problem on a new page and *write only on one side of a piece of paper.* ***Only one side of a piece of paper will be graded.*** Circle or box your answer. Do not forget to show all work and state all assumptions that you make.

*THESE PROBLEMS ARE REQUIRED AND TO BE SUBMITTED FOR GRADING IN HARDCOPY FORM.*

**Problem 1:** Montgomery, Runger and Hubele, Problem 3-182 (p. 136 of the 5th Edition of the text).

**Problem 2:** Montgomery, Runger and Hubele, Problem 3-196 (p. 140 of the 5th Edition of the text).

**Problem 3:** Montgomery, Runger and Hubele, Problem 3-198 (p. 140 of the 5th Edition of the text).

**Problem 4:** Montgomery, Runger and Hubele, Problem 3-200 (p. 141 of the 5th Edition of the text).

**Problem 5:** Montgomery, Runger and Hubele, Problem 3-222 (p. 142 of the 5th Edition of the text).

**Problem 6:** Montgomery, Runger and Hubele, Problem 3-234 (p. 144 of the 5th Edition of the text).

*THESE PROBLEMS ARE RECOMMENDED FOR PRACTICE AND* ***SHOULD NOT BE SUBMITTED***

Problem **3-172** from Chapter 3 of the text.

Problem **3-191** from Chapter 3 of the text.