**ChE 320 Homework 5:**

**Due Wednesday, Feb 15, 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 4-2 (p. 155 of the 5th Edition of the text).

**Problem 2:** Montgomery, Runger and Hubele, Problem 4-5 (p. 155 of the 5th Edition of the text).

**Problem 3:** Montgomery, Runger and Hubele, Problem 4-14 (p. 156 of the 5th Edition of the text).

**Problem 4:** Montgomery, Runger and Hubele, Problem 4-16 (p. 168 of the 5th Edition of the text).

**Problem 5:** Montgomery, Runger and Hubele, Problem 4-18 (p. 168 of the 5th Edition of the text).

**Problem 6:** Montgomery, Runger and Hubele, Problem 4-20 (p. 168 of the 5th Edition of the text).

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

Problem **4-4** from Chapter 4 of the text.

Problem **4-10** from Chapter 4 of the text.

Problem **4-15** from Chapter 4 of the text.