**ChE 320 Homework 1:**

**Due Wednesday, Januarry 25, 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 3-20 (p. 66 of the 5th Edition of the text).

**Problem 2:** Montgomery, Runger and Hubele, Problem 3-24 (p. 72 of the 5th Edition of the text).

**Problem 3:** Montgomery, Runger and Hubele, Problem 3-28 (p. 73 of the 5th Edition of the text).

**Problem 5:** Montgomery, Runger and Hubele, Problem 3-46 (p. 90 of the 5th Edition of the text).

**Problem 6:** Montgomery, Runger and Hubele, Problem 3-50 (p. 90 of the 5th Edition of the text).

**Problem 7:** Montgomery, Runger and Hubele, Problem 3-58 (p. 91 of the 5th Edition of the text).

**Problem 8:** Montgomery, Runger and Hubele, Problem 3-72 (p. 91 of the 5th Edition of the text).

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

Problem **3-38** from Chapter 3 of the text.

Problem **3-68** from Chapter 3 of the text.