Math 134, Fall 2014, Homework 1

The problems are from Calculus, One and Several Variables, 10th Edition by Salas, Hille and Etgen.

For practice - do not hand in

Section 1.2, Problems 1-16
Section 1.3, Problems 48, 57
Section 1.4, Problems 1, 5, 9, 32, 39
Section 1.5, Problems 7, 30, 54, 76
Section 1.7, Problems 52, 53, 54, 57, 58
Section 1.8, Problems 6, 7

Also, look at Review Exercises at the end of Chapter 1 and make sure you can do them all.

To hand in

Section 1.2, Problems 70, 71, 74
Section 1.3, Problems 53, 54
Section 1.4, Problem 52
Section 1.7, Problem 59
Section 1.8, Problems 14, 18.
For Question 18, besides describing the process in words for a complete proof, draw a picture on a blank page- using a straight edge and compass, of course- of how you can construct a segment of length $\sqrt{17}$ inches using two segments of lengths 4 inches and 1 inch. If you do not have a compass do not buy one. Tie a string to your pencil and use that. I don't think we'll do this again.