Midterm 1 Study Guide

University of Arizona CSC 196 : Analyzing Data

Below are some practice problems from the textbook that are intended to help you prepare for Midterm 1. In addition to sample problems please read the following chapters in the textbook:

Chapter 1 - 3 : Walpole et al. "Probability and Statistics for Engineers and Scientists, 9th Ed."
Pearson. 2011.

Note that answers for all problems are available in Appendix A. These are practice questions, not a sample midterm. Some of the problems below will require the use of a calculator. The midterm will be constructed such that a calculator is not necessary. The actual midterm will also be shorter and will provide necessary formulas.

Problems:

Exercise 1.17. Draw plot by hand in part (c).

Exercise 2.15.

Exercise 2.59.

Exercise 2.61.

Exercise 2.93.

Exercise 3.7. Hint: Recall the power rule of integration: $\int x \, dx = \frac{1}{2}x^2 + C$

Exercise 3.9. Hint: Recall the power rule of integration.

Exercise 3.11. Draw plot by hand.

Exercise 3.15.

Exercise 3.39 (a). Ignore part (b).

Exercise 3.48. The answer for this one is not in the textbook, but it's a good practice problem.

Exercise 3.49.