

Read Sections 2.4 and 2.5 in Chapter 2, and Section 3.1 in Chapter 3.

Do the following problems in *Probability and Statistics* by Devore.

Chapter 2: 24, 46 , 50, 58, 60, 64, 78, 80 and 90.

Chapter 3: 6.

Download from www.haverford.edu/math/lbutler/116home/116home.html the experiments for Assignment 2 (lab02.nb). Open the notebook in *Mathematica* and work through the two exercises and experiments at the end of the notebook. Record your answer to the question at the end of each exercise on the same paper as your solutions to the 10 problems above from *Probability and Statistics* by Devore. Attach a printout of the results of each experiment together with the resulting estimate of the answer to the corresponding exercise.