Math 10 - Spring 2013
Homework 7
Due May 13, 2013

Having given the number of instances respectively in which things are thus and so, in which they are thus and not so, in which they are so and not thus, and in which they are neither thus nor so, it is required to eliminate the general quantitative relativity inhering to the mere thingness of the things, and to determine the special quantitative relativity subsisting between the thusness and the soness of the things.— M.H. Doolittle, 1887

Turn in: Exercises 6.2, 6.10, 6.21, 6.28, 6.30, 6.36, 6.38 and 6.39 from the textbook, and problem 9 below.

9. A game promotion for a successful fast food restaurant chain puts two game pieces on large soft drink containers. An advertising campaign for the chain claims that "1-in-10 game pieces is a winner." Suppose that the game pieces are randomly placed on these containers, and test whether the number of winning game pieces on a drink container is binomial with the claimed probability if a random sample of 1,000 such containers gave the following results:

Number of winning game pieces per container	0	1	2
Number of such containers	839	155	6