Attendance Quiz 8

Name:_____ Date:_____

1. A test consists of multiple-choice questions, each having five possible answers, one of which is correct. Assume that you guess the answers to 10 such questions.

(a) Find the probability that the first four guesses are wrong and the last six guesses are correct. That is, find P (WWWWCCCCCC), where C denotes a correct answer and W denotes a wrong answer.

(b) Find the probability of getting exactly four correct answers when ten guesses are made?

(c) Find the probability of getting at least two correct answers when ten guesses are made.

(d) Find the mean, standard deviation, and variance when ten guesses are made.