Exam 3 Practice Problems

Part 1 –Counting and Probability

1. Find the probability distribution table for the number of face cards (J, Q, or K) in a hand of 4 cards.

2. A stack of 100 copies has 8 defective copies in it. A sample of 10 is chosen. What is the probability that the sample will have no defective copies?

3. A bowl has 6 green, 7 red and 4 purple jelly beans. A sample of 4 is chosen at random. What is the probability that the sample will have exactly 3 green or exactly one purple jelly bean?

4. Four couples go to the movies. If all 8 people sit down randomly, what is the probability that couples are seated together?