MATH 1113 – Mathematics for General Education
Quiz 10

Instructions: Circle your final answers. Show all work. Answers with no work shown or illegible work will receive no credit.

1. The board of directors of a corporation must select a president, a secretary, and a treasurer. In how many possible ways can this be accomplished if there are 20 members on the board of directors?

2. The personnel director of a company must select four finalists from a group of 10 candidates for a job opening. How many different groups of four can the director select as finalists?

3. Twelve identical coins are tossed.
 a.) How many possible arrangements of the coins include 8 heads and 4 tails?

 b.) What is the probability that 8 heads and 4 tails will be tossed?

4. What is the probability that if you draw two cards from a standard deck, you will draw two aces?