QUIZ 3

NAME:____________________________

1. A manager at a large travel company is concerned about employee morale. You are approached, and asked if you could assist the manager in determining the company’s employees’ job satisfaction. Explain how you may use experimental probability to report on the chance that an employee is satisfied with their job to the manager. (5 points)

2. Suppose now that in your report to the manager of the travel company you found that the probability of an employee being satisfied with their job is $\frac{4}{7}$. Explain the theoretical probability of polling two random employees and both being satisfied with their job. (5 points)
3. Which of the following events are mutually exclusive?

   (a) Rolling an even or odd number on a die

   (b) Wearing sandals or blue shirt

   (c) Rolling a number less than three or an even number on a six sided dice.