

Math 107 Quiz #7
February 23, 2011

Name: _____

Show all work and answers on a separate paper. Staple this sheet to your answers.

- Determine the probability of the following:
 - (1 pt.) Getting a 2 when rolling a fair die.
 - (2 pts.) Drawing a Queen, King, **or** a Heart from a well-shuffled deck of cards.
- (1 pt.) How many possible outcomes are there when rolling three dice?
 - (2 pts.) What is the probability of rolling three 1's in a row with dice?
 - (2 pts.) What is the probability of getting a sum of 4 on the three dice?
- Suppose the weather forecast calls for a "60% chance of rain" each day for the next five days.
 - (1 pt.) What is the probability that it does not rain tomorrow?
 - (2 pts.) What is the probability that it rains everyday for the next five days?
- You have seven green marbles, three red marbles, and two blue marbles in a bag. Suppose you pick two marbles at random from the bag and do not replace them.
 - (2 pts.) What is the probability that the marbles are both green?
 - (2 pts.) What is the probability that none of the marbles are green?

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