Probability Level 2 (Part 1)   NAME _____

Directions: Find each probability assuming you are rolling a pair of dice one time.

1.   Find the probability of rolling a product of 12 and a sum of 7.

2.   Find the probability of rolling a difference of 2 and a quotient of 2.

3.   Find the probability of rolling a sum that is even and is a multiple of 3.

4.   Find the probability of rolling a quotient of 1 and a product greater than 4.

5.   Find the probability of rolling a product that is an odd number and is a sum less than 10.

6.   Find the probability of rolling a quotient greater than 1 and a sum that is a prime number.

7.   Find the probability of rolling a sum that is a perfect square and has a difference greater than 0.

8.   Find the probability of rolling a difference less than 3 and a quotient of 1.

Probability Level 2 (Part 2)   NAME _____

Directions: Find each probability assuming you are rolling a pair of dice 2 times.

1.   Find the probability of rolling a product of 12 on the first roll and a sum of 7 on the second roll.

2.   Find the probability of rolling a difference of 2 on the first and a quotient of 2 on the second roll.

3.   Find the probability of rolling a sum that is even on the first roll and a sum that is a multiple of 3 on the second roll.

4.   Find the probability of rolling a quotient of 1 on the first roll and a product greater than 4 on the second roll.

5.   Find the probability of rolling a product that is an odd number on the first roll and a sum that is less than 10 on the second roll.

6.   Find the probability of rolling a quotient greater than 1 on the first roll and a sum that is a prime number on the second roll.

7.   Find the probability of rolling a sum that is a perfect square on the first roll and a difference greater than 0 on the second roll.

8.   Find the probability of rolling a difference less than 3 on the first roll and a quotient of 1 on the second roll.