Name _____ **Period** _____ **Date** *Wednesday, March 13, 2014*

*Worksheet – Finding the Probability of an Event I

Determine the probability of the following events.

1. The following coins are put in a bag:

   a. The probability of picking a dime is _____.

   b. The probability of picking a dime is _____.

   c. The probability of picking a nickel is _____.

   d. The probability of picking a dime is _____.

2. A number from the following list is chosen at random: 9, 7, 15, 55, 69, and 5.
   The probability of picking an odd number is _____.

3. A jar contains 27 red and 7 blue marbles for a total to 34 marbles.
   The probability of picking a red marble is _____.

4. A number from the following list is chosen at random: 6, 94, 85, 38, 16, 42, 90, 19, 7, 14, and 44.
   The probability of picking an even number is _____.

5. A glass jar has 30 blue marbles and 7 green marbles for a total of 37 marbles. The probability of picking a green marble is _____.

6. A glass jar contains has 20 purple and 5 yellow marbles for a total of 25 marbles. The probability of picking a yellow marble is _____.

7. A glass jar has 24 green and 5 blue marbles for a total of 29 marbles. T The probability of picking a red marble is _____.

HOMEWORK: Due Thursday, March 13, 2014

Name _____ **Period** _____ **Date** *Wednesday, March 12, 2014*

*Worksheet – Finding the Probability of an Event II

Find the probability for the following events.

1. A bag contains 4 red marbles, 16 yellow marbles, 5 purple marbles, 16 blue marbles, and 10 green marbles. What is the probability of pulling out a red or a green marble?

2. If one letter is chosen at random from the word *combed*, what is the probability that the letter chosen will be a "d"?

3. A dice cube has 6 sides that are numbered 1 to 6. If the cube is thrown once, what is the probability of rolling an odd number?

4. If one letter is chosen at random from the word *refuse*, what is the probability that the letter chosen will be an "e"?

5. The sides of number cube have the numbers 2, 4, 8, 9, 4, and 7. If the cube is thrown once, what is the probability of rolling a 7?

6. If one letter is chosen at random from the word *substitute*, what is the probability that the letter chosen will be a "t"?

7. A die has sides are numbered 1 to 6. If the cube is thrown once, what is the probability of rolling a 6?

8. A bag contains 12 red marbles, 10 green marbles, 2 yellow marbles, 19 blue marbles, and 9 purple marbles. What is the probability of pulling out a green marble?

9. If one letter is chosen at random from the word *assists*, what is the probability that the letter chosen will be an "s"?

10. The sides of a number cube have the numbers 9, 3, 5, 3, 7, and 9. If the cube is thrown once, what is the probability of rolling a 9?