

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Probability of Compound Events Exit Quiz

**Solve the following problems Permutation and Combination.**

1. When rolling a pair of dice, what is the probability of rolling an odd number or a sum of 10.
2. There are 5 green, 3 blue and 7 red marbles inside a box. What is the probability of getting a blue or a green marble?
3. What is a probability of drawing a heart card and a queen in a 52 deck of card?

**A student enrolled two math subjects: Statistics and algebra. His chance of passing the statistics subject is  $\frac{3}{10}$ . His chance of passing algebra is  $\frac{6}{10}$ .**

4. What is the probability of passing Statistics and Algebra?
5. What is the probability of passing Statistics or Algebra?