

Name \_\_\_\_\_

Finite Mathematics (Math 10120), Fall 2020  
Quiz 2, Friday, September 11, 2020

1. A bag contains 5 green marbles, 4 red marbles and 3 white marbles. two marbles are chosen at random from this bag. What is the probability that they have the same color? Please write your answer as a number (e.g. instead of  $C(7, 2)$  you would write 21). Please put your answer in the indicated box.

**Answer to #1:**

2. Claire flips a coin five times. What is the probability that exactly three of the flips show Heads? You can use our usual notation ( $C(n, r)$ ,  $P(n, r)$ , or exponents) in your answer, or you can give a numerical answer.

**Answer to #2:**