

Math 361, Section D13 and D14, Fall 2007

Quiz 2, September 7

Name: _____

1. This is very similar to question 28 on p. 58 (which we did in class). Suppose that we have 5 red balls, 7 white balls, and 9 black balls. Draw 3 balls (without replacing). What is the probability that all three balls will be of the same color?

ANSWERS

1.

$$\frac{\binom{5}{3} + \binom{7}{3} + \binom{9}{3}}{\binom{21}{3}}$$