Quiz 8 (8 points total) Math 017, Spring 2016

Name: Section:

Problem 1 Suppose that 3 men and 2 women sit in a row. What is the probability that the 3 men sit together and the 2 women sit together?

(a) $\frac{1}{5}$

(b) $\frac{1}{2}$

(c) $\frac{1}{10}$

(d) $\frac{2}{5}$

Problem 2 Suppose that 3 men and 2 women sit in a row. What is the probability that the third person in the row is a woman?

(a) $\frac{3}{5}$

(b) $\frac{1}{5}$

(c) $\frac{2}{5}$

(d) $\frac{4}{5}$

Problem 3 Select 3 people from 1 male and 4 female. What is the probability that the male is selected?

(a) $\frac{3}{10}$

(b) $\frac{2}{5}$

(c) $\frac{1}{2}$

(d) $\frac{3}{5}$

Problem 4 In a club with 9 male and 10 female members, how many 5 member committees can be chosen that have at least one female member?

(a) $C(9,4) \cdot C(10,1)$

(b) $C(19,5) - C(9,5)$

(c) $C(19,5) - C(10,5)$

(d) $C(19,5)$

Feedback:

1. Any comments (on lectures, homework, quizzes, course, me, etc.)?