Quiz 9 (8 points total)

Math 017, Spring 2016

Name: Section:

Problem 1 A card is drawn at random at from a standard pack, then replaced, three times in a row. What is the probability that exactly two hearts are drawn?

(a) $\frac{7}{32}$

(b) $\frac{9}{64}$

(c) $\frac{1}{6}$

(d) $\frac{1}{21}$

Problem 2 A coin is tossed four times. What is the probability that at most one of them shows heads?

(a) $\frac{1}{4}$

(b) $\frac{5}{16}$

(c) $\frac{5}{8}$

(d) $\frac{1}{16}$

Problem 3 Suppose a die is rolled 6 times. What is the expected number of times a six is rolled?

(a) 1

(b) 1.2

(c) 1.5

(d) 2

Problem 4 A coin is tossed twice. You win \$1.00 if the result is 2 heads. You lose \$1.00 if the result is 2 tails. Otherwise you neither win nor lose. What is your expected outcome?

(a) \$0

(b) \$0.25

(c) \$0.50

(d) \$1.00

Feedback:

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