

Quiz 5 (8 POINTS TOTAL)

MATH 017, SPRING 2016

NAME:

SECTION:

Problem 1 Which of the following is a sample space for the experiment of flipping a fair coin three times?

- (a) $\{HHT, TTH, HHH, TTT, HTH, THT\}$
- (b) $\{H, T\}$
- (c) $\{HHT, TTH, HTT, THH, HHH, TTT, HTH, THT\}$
- (d) $\{H, T, HH, HT, TH, TTH, HHT, TTT, HHH\}$

Problem 2 A card is drawn from a well-shuffled deck of 52 cards. What is the probability of drawing a spade OR an ace?

- (a) $4/13$
- (b) $1/4$
- (c) $1/13$
- (d) $17/52$

Problem 3 Two fair dice are rolled. What is the probability that the sum of the results is 4 or less?

- (a) $1/12$
- (b) $1/6$
- (c) $1/4$
- (d) $1/36$

Problem 4 Suppose that 100 students joined at least one of three organizations: A, B, and C. Suppose 37 joined club A, 46 joined club B, 56 joined club C, 14 joined clubs A and B, 12 joined A and C, and 5 joined all three clubs. How many students joined only club C?

- (a) 13
- (b) 19
- (c) 23
- (d) 31

Feedback:

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