STA107: Winter 2022
Final Review

1 Multiple Choice

Question 1: A six-sided die has faces numbered 1, 2, 3, 4, 5 and 6. Suppose the die is "loaded", so that any particular even-numbered face is twice as likely to land face up as any particular odd-numbered face. If we roll this die once, what is the probability that the number showing is greater than 3?

(A) 1/2

(B) 2/3

(C) 5/9

(D) 7/12

(E) 9/16

Question 2: Which of the following statements is false?

(A) If the probability of A is 0.6 and the probability of B is 0.5, then A and B cannot be mutually exclusive.