

Math 20: Probability

Homework 1

Due Date: July 3, 2020

Please specify whether you complete the homework independently or cooperate with (get help from) the TA, your classmates, friends, online resources, etc.

Problem 1

5 pts

Give a real life example of an event that happens with probability

- (a) $P(E) = 0$ (impossible)
- (b) $P(E) < \frac{1}{2}$ (unlikely)
- (c) $P(E) = \frac{1}{2}$ (even chance)
- (d) $P(E) > \frac{1}{2}$ (likely)
- (e) $P(E) = 1$ (certain)

Problem 2

4 pts

Chapter 1.2 Exercise 1

Problem 3

5 pts

Chapter 1.2 Exercise 2

Problem 4

4 pts

Chapter 1.2 Exercise 4