Homework 1 (STA 3021)

Instructions:

- Homeworks will not be collected nor graded, but will be the basis for the quizzes and exams.

- You are encouraged to work with other students on the homework problems. Work as a team!

Reading: Chapter 1.

From the Exercises in Chapter 1 in pages 14-18, solve the following problems. Note that the textbook uses notation $EF = E \cap F$.

1. Chapter 1 Exercise #8.

2. Chapter 1 Exercise #10.

3. Chapter 1 Exercise #26.

4. Chapter 1 Exercise #32.

5. Chapter 1 Exercise #47. You only need to verify that $P(A|B)$ satisfies three axioms to be a probability measure.