

Homework 1

MATH 262
due 5:00pm on Wednesday, February 11

Write your solutions to the following problems clearly and neatly. Make sure to explain your reasoning and provide mathematical details that support your answers. For a few tips on writing solutions, see [this helpful guide for mathematical writing](#).

You may write or type your solutions electronically, or write them on paper and scan or photograph them. Either way, make sure your solutions are easy to read, in order, and clearly labeled. Upload a single PDF file containing your solutions to the [Homework 1](#) assignment on Moodle.

Warm-Up

Read the course syllabus and answer the following questions.

- (a) What sort of collaboration is appropriate in this course? What sort of “collaboration” is not appropriate?
- (b) List as many resources as you can think of (on the syllabus or not) that will help you succeed in this course.
- (c) When is the final exam for this course?

Book Problems

- Section 1.1 #1, 2, 6, 11 (pages 5–7)
- Section 1.2 #15, 19 (page 15)

Note: For #15, A_i is the event that project i is awarded (and possibly other projects are awarded as well). For #19, assume that events A and B are disjoint.