

# Math 447 - Spring 2025 - Homework 05

Published: Tuesday, February 11, 2025

## Status - Reading Assignments:

Here are the reading assignments to be completed before the first one of this HW.

WMS (Wackerly, et al. Textbook):

ch.2.1 - 2.5, ch.2.7 - 2.8

MF447 lecture notes:

ch.1 - ch.5, skim ch.6, ch.7.1 - ch.7.3, Example 7.9

Other:

Nothing assigned yet

## New reading assignments:

It is really important for the WMS reading assignments that you work through the examples!

### Reading assignment 1 - due: Monday, February 17:

- a. Extra carefully read the remainder of MF ch.7. Do this more than once! Be sure to work all the examples given there!
- b. Carefully read WMS ch.2.6 through Example 2.12. Work through all the examples given there!

### Reading assignment 2 - due: Wednesday, February 19:

- a. Carefully read WMS ch.2.6 through Example 2.12. Work through all the examples given there!

### Reading assignment 3 - due Friday, February 21:

- a. Study for the midterm!
- b. Added on 2/18/2025: Read the remainder of WMS ch.2.6. This might help you to do better on the combinatorics problems of midterm 1!
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**General note on written assignments:** I will not collect those assignments for grading but doing them might be helpful for your quizzes and exams. Be sure to work the examples!

Written assignments are on the next page.

- (a) Work closed book through the examples given in the assigned reading, both in MF and WMF.
- (b) Be sure to understand the difference between permutations and combinations.
- (c) No new odd-numbered WMS exercises. Rather, review the MF material of ch.2 – ch.5.

**Selected answers:**

None, since all answers to (a) can be found in WMS and the lecture notes.