

## Math 419-01, Written Problem Set for Chapter 4

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This assignment is due with W5 on **November 20**, at the beginning of class. This is a change from the original due date.

*If, for any reason, you would like an extension on the assignment, please discuss this with me before the assignment is due.*

To create your written problem set:

1. Choose **10** exercises to write up nicely:
  - (a) Pick 7-9 problems from the list of selected discussion problems, at least one from each class day.
  - (b) Pick 1-3 challenge problems from Chapter 4.
2. Write up each problem nicely, making sure to restate the problem and provide a full explanation.
3. Identify one of the problems that was particularly interesting to you, and write a short paragraph about what you found interesting in the problem.
4. Identify one of the problems that you struggled with, and write a short paragraph about what caused you difficulty in the problem and how you resolved the difficulty.

Selected Discussion Problems:

Section 4.1: 4.1.2 # 2, 3, 5, 4.1.3 # 1

Section 4.2: # 1, 2

Section 4.3: # 1, 4, 8a

Sections 4.4 & 4.10: 4.4 # 3, 4 4.10 # 1

Sections 4.5-4.8: 4.5 #1 4.6 # 1, 3, 4.7 # 5a

Sections 4.9 & 4.11: 4.9 # 4

*I will add the selected problems section by section, after we cover the material in class.*