

**MATH 425A  
HOMEWORK 1**

FALL 2019

The following assignment is to be turned in on  
**Monday, September 9th, 2019.**

**Reading (for everyone):**

- Preliminaries: (pages 1-4)
- Section 1.1: (pages 5-10)
- Section 1.2: (pages 12-16)
- Section 1.3: (pages 16-19)
- Appendix A: (pages 559-564)

**Suggested Problems (for everyone, not to be handed in):**

- Section 1.1: 2, 3, 6, 8, 20a), 20b)
- Section 1.2: 1, 2, 4
- Section 1.3: 7, 11, 16, 21, 23

**Hand-In Homework 425A:**

- Section 1.1: 5, 9
- Section 1.2: 3
- Section 1.3: 9, 15, 18, 19, 22

**Hand-In Homework 525A:**

- Section 1.1: 4
- Section 1.3: 27
- Appendix A: 2, 3