

**MATH 528B**  
**HOMEWORK 3**

SPRING 2020

The following assignment is to be turned in on  
**Friday, February 21st, 2020.**

**Reading:**

- Section 4.5: (pages 74-80)
- Section 4.6: (pages 81-86)
- Section 5.1: (pages 88-95)

**Homework (turn in any 5):**

- Section 4.5: Write up the details in Example 1 on page 76.
- Section 4.5: Write up the details in Example 2 on page 77.
- Section 4.5: Write up the details in Example 4 on page 77.
- Section 4.5: Write up the details in Example 5 on page 79.
- Section 4.5: Write up the proof of Theorem 4.28 on page 79.
- Section 4.6: Write up the proof of Theorem 4.33 on page 84.
- Section 4.6: Write up the proof of Theorem 4.35 on page 86.
- Section 4.6: (page 87) Exercises: 4.30, 4.31, 4.32.