

Math 135, Winter 2015, Homework 9

For practice - do not hand in

1. **Section 13.1**, Problems 1, 5-10, 16, 17.
2. **Section 13.2**, Problems 19, 21, 25, 40, 44.
3. **Section 13.3**, Problems 11, 39, 43, 44, 51
4. **Section 13.4**, Problems 21, 25, 29, 36, 37, 44 (see problem 51 in 13.4).
5. **Section 13.5**, Problems 7, 11, 13, 15, 17, 19, 21, 35.
6. **Section 13.6**, Problems 3, 5, 7, 15, 23, 27, 32, 35, 37.

To hand in

1. Problem 24 in Section 13.2.
2. Problem 47 in Section 13.3. See note on page 669.
3. Problem 53 in Section 13.3.
4. Draw a picture for Problem 44 in Section 13.6 to justify the reasoning.
5. Prove Theorem 2 in Project 13.6.