

# Math 136, Spring 2015, Homework 7

## For practice

1. Problems 5.1, 5.2, 5.3, 5.4.
2. Problems 6.1, 6.2, 6.4, 6.6, 6.7.
3. Problem 1.1 in Chapter 6.
4. Problems 2.1-2.8 in Chapter 6.
5. Identify and sketch the equation

$$4x^2 - 2xy + 4y^2 = 1$$

using linear algebra. You can check your answer with an online graphing tool.

## To hand in

1. Problem 5.6 from Chapter 5.
2. Problems 6.8 and 6.9 from Chapter 5.
3. Problem 2.9 from Chapter 6.