## Math 242 - Homework 3

## Due Thursday, September 18

## Exercises from the Book

- Chapter 1.4# 1, 3, 9, 16
- $\bullet$  Chapter 1.5# 5, 6, 7, 12, 13, 15, 19

## **Additional Exercises**

- 1. Is the line through (-4, -6, 1) and (-2, 0, -3) parallel to the line through (10, 18, 14) and (5, 3, 4)?
- 2. The lines (1,2,3) + (1,1,0)t and (4,4,4) + (1,0,1)s both intersect at (3,4,3). Find a third line that does so perpendicular to the other two.

Remember to check back here to see if there are additional problems later.