

## Problem Set for Week 4

The work handed in should be entirely your own. You can consult Stewart and/or the class notes but nothing else. To receive full credit, justify your answer in a clear and logical way. Due Feb 12.

**Reading.** This is the most important part of the homework: Read Sections 14.3–14.6 of the textbook carefully. Keep reviewing Section 12.6 to help you develop some intuition about graphs of some two-variable functions.

1. Section 14.3 Exercises 65, 71
2. Section 14.4 Exercises 4, 15, 19
3. Section 14.5 Exercises 1, 3, 7, 9, 18, 27
4. Section 14.6 Exercises 4, 6, 8, 12