

Duke Math 431
Spring 2015

Homework 6

Due Friday, February 27

Reading. Section 3.1, 3.2, 3.3.

Problems.

Section 3.1: #2, 3, 5, 8, 13.

For #8(c), your answer to “Why?” need not be a formal proof — just give an intuitive explanation.

Section 3.2: #1, 3, 7, 8, 9 10.

Hint: For #10, bound $|\sqrt{x} - \sqrt{c}|$ by first showing you can bound $|\sqrt{x} - \sqrt{c}|^2 \leq |x - c|$.