

Mathematics 300 Homework, March 14, 2022.

For the problems in Section 3.5, Pages 153–156 be able to do Problems 2, 4–8 (we did some of these in class, but look at the text's solution also), 9, 12, 13.

Here are a couple of other Problems:

Problem 1. Show that for any real number a that $a^2 = |a|^2$. \square

Problem 2. And a practice algebra problem: If $a, b > 0$ show

$$\sqrt{a} - \sqrt{b} = \frac{a - b}{\sqrt{a} + \sqrt{b}}.$$