

Homework #3 due August 27.

- Read pp. 8-18 in the textbook.
- There will be a quiz on Monday. Need to know axioms for a group and a field; definitions of function, domain, range.

Do the following problems:

1. # 1.2.9 and 1.2.10 on pp. 12-13 in the textbook.
2. Describe geometric meaning of each inequality below and use geometric meaning to solve it.
 - a) $|2x+3| < 10, x \in \mathbb{R};$
 - b) $|x-3| > |x+1|, x \in \mathbb{R};$
 - c) $|2x+6| \leq |x-10|, x \in \mathbb{R}.$