

Homework # 2 due August 24.

Read pp. 5-11 in the textbook.

Need to know: Definition of a function
(def. 1.2.3)

Do the following problems:

1. Use axioms from the handout to prove that
for all $x, y \in \mathbb{Q}$ one has

a) $(-x) \cdot y = -x \cdot y;$

b) If $z \in \mathbb{Q}, z \neq 0$, then

$$xz = yz \text{ implies } x = y.$$

2. Do exercise 1.2.3 and exercise 1.2.4
in the textbook.