

Sommersemester 2025 Homework 8

1. QUESTIONS

- (1) Name one thing which you have found challenging in the class this week and one thing you think you understood well.
- (2) Show that if  $d$  is a positive integer such that for any  $a \in \mathbb{Z}$ , we have  $a^2 \neq d$ , then  $\sqrt{d}$  is irrational.