

PROBLEM SET 5, 16300 SECTION 21

Due Wednesday April 29 in class.

1. Problem 25-1 part (ii) and (iv) and Problem 25-2 part (ii) and (iv) from Spivak.
2. Problem 25-8 from Spivak, with the following modification: Consider numbers of the form $a + b\sqrt{c}$ where $a, b \in \mathbb{Q}$, rather than $a, b \in \mathbb{Z}$. Here c is still a *fixed* integers which is not a square.
3. Problem 25-10 from Spivak.
4. Problem 26-5 from Spivak.