

March 22, 2021

18.702 Problem Set 6

due Wednesday, March 31

Because there is less time for this assignment, the problems are relatively easy.

1. Chapter 13, Exc. 3.2. (*is lattice an ideal?*)

2. Chapter 13, Exc. 3.4 **(d)**. (*shapes of ideals*)

You may base reasoning on pictures of the lattices,
provided that they are accurate.

3. Chapter 13, Exc. 5.2 **(a,b)**. (*ideals in $\mathbb{Z}[\sqrt{-3}]$*)

4. Chapter 13, Exc. 5.3. (*is ring a domain?*)