

March 11, 2011

18.702 Problem Set 5

due Monday, March 28

1. Chapter 13, Exercise 3.4c. (*ideals in $\mathbb{Z}[\sqrt{-6}]$*)
2. Chapter 13, Exercise 6.7. (*lattice basis for prime divisor of (p)*)
3. Chapter 13, Exercise 7.3. (*norms of some elements*)
4. Chapter 13, Exercise 8.4. (*the cases of unique factorization*)
5. Chapter 13, Exercise 8.6 b,c. (*some ideal class groups*)

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