

April 14, 2003

18.702 Problem Set 8

due Wednesday, April 23, 2003

Chapter 13, Problems 3.3, 3.7, 3.10, 3.11, 4.2.

I. Prove that every element of $GL_2(\mathbb{Z})$ of finite order has order 1, 2, 3, 4, or 6, and show by example that these orders do occur.