

Mathematics 351 – Abstract Algebra 1
Solutions for Problem Set 9
November 9, 2007

Section 7.5

5. (a) \mathbb{Z}_{24} has order 24, so by Lagrange's Theorem, the possible orders of subgroups of \mathbb{Z}_{24} are 1, 2, 3, 4, 6, 8, 12, 24.