

HW5 - Algebra - Fall 2018

Due date: Friday, Oct 19th.

0.1 Morphisms, isomorphisms

Chapter 9. Exercises 47, 48, 50. Chapter 11. Exercises 2, 8, 10, 11.

0.2 Extra-credit

Using Cayley's theorem, show that every finite group G is isomorphic to a subgroup of $GL_n(\mathbb{R})$ for some value of n .