

# Math 567: Abstract Algebra I

## Homework 13

10 points total. Due Friday, Apr 29 by 1:10 pm in class.

### Problems

1. (3 points) Artin ch 16 exercise 6.2
2. (2 points each) Artin ch 16 exercises 7.3, 7.7
3. (1 point each) Artin ch 16 exercise 7.1, 7.4, 7.10

### Bonus Problem

(+1 point:) Prove that every finite group is isomorphic to the Galois group of some field extension.