

Math 4340, Spring 2025
Homework 9, due at 11.59pm on April 15th, 2025

All problems are from:

Abstract Algebra: An Integrated Approach by J.H. Silverman.

The textbook is available online through Cornell library.

page 285–294: 9.3, 9.4, 9.5,

9.9,

9.13, 9.14

9.15,

9.16,

9.20

Do problem 9.14 not only for finite field extensions, but for algebraic extensions.