Math 4340, Spring 2025
Homework 8, due at 11.59pm on April 8th, 2025

All problems are from:
  Abstract Algebra: An Integrated Approach by J.H. Silverman.

The textbook is available online through Cornell library.

page 320–325: 10.13, 10.16, 10.22, 10.23, 10.27
page 357–370: 11.24, 11.32, 11.37
page 393–396: 12.16
Do problem 11.32 for modules over non-commutative rings, i.e., show that if M is left R module then the annihiliator $\mathrm{Ann}(M)$ is two sided ideal in R.