

# Math 464/564 : Algebra III

## Problem Set 6

1. Read chapter 4 of Atiyah-MacDonald.
2. Math 564 students do all of the following, and Math 464 students choose 7 (however, be warned that some problems require earlier ones to solve!).
  - Chapter 4, problems 1, 2, 4, 5, 7, 8, 12, 13, 14 (see chapter 1 for the notation  $(a : x)$ ), 15, 16.