

## MATH 6250: Assignment 8

**Exercises from the book:** 6.13, 6.14, 6.17

Additional hint for 6.13: after proving that  $\alpha^* = \alpha$ , consider how the coefficients of  $\alpha$  must change upon left multiplication by  $b \in A$ , which is a 2'-element. Do the same thing for  $b^2 \in A$ .

**Problems from the text:**

1. Give details of the “easy computation” on page 103, line -7.
2. Prove Corollary 7.8.