

**HOMEWORK 7**

DUE 9 JUNE 2017

1. Atiyah-MacDonald, Chapter 9, Exercise 1.
2. Atiyah-MacDonald, Chapter 9, Exercise 2.
3. Atiyah-MacDonald, Chapter 9, Exercise 3-4.  
*Hint:* For 3, use exercise 5.28.
4. Atiyah-MacDonald, Chapter 9, Exercise 5-6.
5. Atiyah-MacDonald, Chapter 9, Exercise 7.
6. Atiyah-MacDonald, Chapter 10, Exercise 1.
7. Atiyah-MacDonald, Chapter 10, Exercise 2.
8. Atiyah-MacDonald, Chapter 10, Exercise 4.
9. Atiyah-MacDonald, Chapter 10, Exercise 9.
10. Atiyah-MacDonald, Chapter 10, Exercise 10.
11. (Challenge problem) Atiyah-MacDonald, Chapter 10, Exercise 11.