

# Math 602 Homework #5, Spring 2016

Instructor: Ezra Miller

Solutions by: ...your name...

Collaborators: ...list those with whom you worked on this assignment...

Due: start of class on Wednesday 20 April 2016

READING ASSIGNMENTS in [Eis95]

- by Monday 11 April: §13.1 through proof of Theorem 13.3
- by Wednesday 13 April: §13.1, §13.3
- by Monday 18 April: Chapter 14

EXERCISES

An exercise whose label is of the form C. $n$  refers to the  $n^{\text{th}}$  exercise in [Eis95, Chapter C].

7.1

7.11

7.20 Note that Theorem 7.18 is not in the main body of the chapter; it is after Exercise 7.18.

7.23

7.25

7.26

11.1

11.6

11.7 (a)

(b)

(c)

11.10

11.12

11.16 (a)

(b)

(c)

(d)

## References

- [Eis95] David Eisenbud, *Commutative algebra, with a view toward algebraic geometry*, Graduate Texts in Mathematics Vol. 150, Springer–Verlag, New York, 1995.