

Math 273 Homework #5, Fall 2010

Instructor: Ezra Miller

Solutions by: ...your name...

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

Due: Tuesday 9 November 2010

READING ASSIGNMENTS in [Vakil]

- by Thursday 28 October: §9.2
- Tuesday 2 November: no class
- Thursday 4 November: no class
- by Tuesday 9 November: §9.3
- Thursday 11 November: §10.1

EXERCISES: In [Vakil], exercises have labels C.S.N, for “Chapter C, Section S, Exercise N”, where $C, S \in \mathbb{Z}_+$ and $N \in \mathbb{A}, \dots, \mathbb{Z}$. It is not expected that everyone will complete all of the assigned exercises, but those marked “[required]” are essential.

8.1.A [required]

8.3.A

8.3.C (a)

(b)

8.3.E

8.3.F [required]

8.3.J

8.3.O [required]

8.3.P

8.3.Q [required]

(a)

(b)

(c)

9.1.E

9.1.F [required; by “hard” Vakil means “involved”, not “sneaky”]

9.1.G [required]

9.1.K

9.1.L [required]

(a)

(b)

(c)

(d)

References

[Vakil] Ravi Vakil, *Foundations of algebraic geometry*, notes dated August 26, 2010.