Math 273 Homework #4, Fall 2010
Instructor: Ezra Miller

Solutions by: ...your name...

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

Due: Tuesday 26 October 2010

READING ASSIGNMENTS in [Vakil]

- by Thursday 21 October: §8.1–8.3
- by Tuesday 26 October: §9.1
- by Thursday 28 October: §9.2
- Tuesday 2 November: no class
- Thursday 4 November: no class
- by Tuesday 9 November: §9.3

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

2.3.O [required]

2.3.S [required]

7.3.I

7.4.B

7.4.C [required]

7.4.F [required; there are easier, more direct ways to do this than resorting to 7.4.E]

7.5.A [required]

7.5.B

7.5.D

7.5.F [required]

7.5.I

7.5.K

7.5.L

References

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