# Math 273 Homework #6, Fall 2010
### Instructor: Ezra Miller

Solutions by: ...your name...

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

Due: Thursday 9 December 2010

READING ASSIGNMENTS in [Vakil]

- by Thursday 11 November: §10.1
- by Tuesday 16 November: §10.2
- by Thursday 18 November: §10.3, §10.4
- by Tuesday 23 November: §14.1–§14.4
- by Tuesday 30 November: §14.5–§14.7
- by Thursday 2 December: §11.1, §11.2
- by Tuesday 7 December: §11.3
- by Thursday 2 December: §13.4

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.

9.2.A [required]

    (a)

    (b)

9.2.B

9.2.F [required]

9.2.J

9.2.K [required]

9.2.N [required]

    (a)

    (b)

9.2.P

9.2.Q [required]

10.2.I

10.2.J [required]

10.3.D [required]

14.4.A

14.4.B [required]

14.5.G

14.7.C [required]

14.7.E

# References

[Vakil]  Ravi Vakil, *Foundations of algebraic geometry*, notes dated November 5, 2010.