Math 627 Homework #3, Spring 2020
Instructor: Ezra Miller

Solutions by: ...your name...

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

Due: Thursday 20 February 2020

Reading assignments in [Vakil]

- by Tuesday 11 February: Chapter 5 (should be mostly review of Math 602)
- by Thursday 13 February: §11.1–11.3, §12.1–§12.3, §12-5; this plus Chapter 5 is a lot, but most of it is review of Math 602; skip anything concerning morphisms of schemes
- by Tuesday 18 February: §6.1–§6.3
- by Thursday 20 February: The rest of Chapter 6
- by Thursday 27 February: §7.1 and §7.3; review §7.2

Exercises: In [Vakil], exercises have labels C.S.N, for “Chapter C, Section S, Exercise N”, where C, S ∈ Z_+ and N ∈ A, ..., Z. Exercises marked “[essential]” are essential.

4.5.E (a) [essential—and it’s not that tricky]
(b)

4.5.F

4.5.I

4.5.N [essential]

5.1.B [essential]

5.1.F [essential]

5.2.C

5.2.E

5.3.B

5.3.C

5.3.F [essential]

5.4.H (a)
(b)

5.5.C

6.2.E [essential]
6.3.E [essential]
6.3.F [essential]
6.3.K

References