

AG HOMEWORK 5

DUE APRIL 23 TO GRADESCOPE

The following exercises come from Hartshorne Chapter 2. (If you need a copy of the book, let me know/send me an email.)

Here are some exercises using the properties and definitions of schemes in Chapter 2, Sections 3 and 4.

- (1) 3.1
- (2) 3.2
- (3) 3.3
- (4) 3.4
- (5) 3.5
- (6) 3.6
- (7) 3.8
- (8) 3.13
- (9) 4.1
- (10) 4.2
- (11) 4.3
- (12) 4.7