

## Exercise Sheet #7

(Due December 15)

1. Hartshorne: Page 23 (3.17, 3.20), Page 46 (6.2), Page 91 (3.8).
2. Shafarevich: Read Section 5 in Chapter 2 (Pages 124-126, Pages 128-131) and do Problems 1, 2, 6 on Pages 136-137.
3. Shafarevich: Read Section 1 in Chapter 3 (I have covered most of it in a slightly different setting but statements are similar) and do Problems 4, 8, 9, 10 on Page 162. Not for submission Problems 11, 12.
4. Hartshorne: Page 80-82 (2.3, 2.8, 2.14).
5. Hartshorne: Page 90-95 (3.1, 3.3, 3.4, 3.7), Not for submission (3.10. 3.15).
6. Hartshorne: Page 124-128 (5.1, 5.2, 5.5, 5.8, 5.17).