

**MATH 256B: PROBLEM SET #7**  
**DUE THURSDAY, APR. 5**

BRIAN OSSERMAN

Do four of the following exercises.

*Exercise 1.* Do Hartshorne, Exercise 8.1 of Chapter III.

*Exercise 2.* Do Hartshorne, Exercise 8.2 of Chapter III.

*Exercise 3.* Do Hartshorne, Exercise 8.3 of Chapter III.

*Exercise 4.* Do Hartshorne, Exercise 11.1 of Chapter III.

*Exercise 5.* Do Hartshorne, Exercise 11.3 of Chapter III.

*Exercise 6.* Do Hartshorne, Exercise 11.4 of Chapter III.

*Exercise 7.* Do Hartshorne, Exercise 11.8 of Chapter III.