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.