

## 18.726 ALGEBRAIC GEOMETRY. HOMEWORK SET 2

This problem set is due Tuesday February 20, 2007 at the beginning of class. Read sections II.2, II.3 and II.4 in Hartshorne. You should read all the exercises and work through as many of them as you can. If you have not taken the qualifying exam and need a grade, you must turn in the following problems:

- (1) page 79 Problem II.2.3,
- (2) page 80 Problem II.2.8,
- (3) page 80 Problem II.2.9,
- (4) page 80 Problem II.2.13 a,b,c,
- (5) page 81 Problem II.2.16,
- (6) page 81 Problem II.2.17,
- (7) page 81-82 Problem II.2.18,