18.726 ALGEBRAIC GEOMETRY. HOMEWORK SET 10

This problem set is due Tuesday May 1, 2007 at the beginning of class. Read sections III.7, III.8, IV.1, IV.2, IV.3 and IV.5 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 297 Problem IV.1.2,
(2) page 298 Problem IV.1.6,
(3) page 304 Problem IV.2.2
(4) page 304 Problem IV.2.3,
(5) page 315 Problem IV.3.1,
(6) page 315 Problem IV.3.2,
(7) page 315 Problem IV.3.4,
(8) page 315 Problem IV.3.6,