

**Homework 9**  
due December 5, 2001 in class

- (1) Artin 4.1.4 (pg. 145)
- (2) Artin 4.1.8 (pg. 145)
- (3) Artin 4.2.1 (pg. 145)
- (4) Artin 4.2.4 (pg. 146)
- (5) Artin 4.2.9 (pg. 146)
- (6) Artin 4.3.3 (pg. 146)
- (7) Artin 4.4.1(a) (pg. 148)
- (8) Artin 4.4.15 (pg. 148)
- (9) Artin 4.6.1 (pg. 149)
- (10) Artin 4.6.9 (pg. 150)