

Homework 1

due October 10, 2001 in class

We will use Artin's numbering system so that "Artin 1.2.4" means Chapter 1, Section 2, Problem 4.

You are expected to hand in all problems. The reader will pick three problems at random for grading. To ensure credit for your homework you have to solve all of the problems! Each graded problem is worth 10 points, so that each homework set is worth 30 points.

Make sure your homework paper is legible, stapled and has your name clearly showing on each page. The homework is due on October 10 in class. **No late homeworks will be accepted!**

1. Artin 1.1.4 (pg. 31)
2. Artin 1.1.12 (pg. 32)
3. Artin 1.1.19 (pg. 33)
4. Artin 1.1.20 (pg. 33)
5. Artin 1.2.2ab (pg. 33)
6. Artin 1.2.13 (pg. 33)
7. Artin 1.2.16 (pg. 34)
8. Artin 1.3.4 (pg. 34)
9. Artin 1.3.8 (pg. 35)
10. Artin 1.3.10 (pg. 35)