Due: April 26, 2005

Math 370 (Algebra) / Homework # 11

Required:

- Reading from Artin’s book *Algebra*: Ch.12, Section 2; Ch.3, Section 4; Ch.4, Sections 1, 2, 3.
- Solve the following problems from Artin’s book *Algebra*, at the end of Chapter 3:
  - Problems 1, 5, 7 from *Computation with Bases*, pp.106.
- Solve the following problems from Artin’s book *Algebra*, at the end of Chapter 4:
  - Problems 1, 4, 5, 6, 8 from *The dimension formula*, pp.145.
  - Problems 1, 2, 3, 4 from *The matrix of a linear Transformation*, pp.145-6.

Suggested: From Artin’s book *Algebra*:

- Read Sections 4, 6 from Chapter 4.
- Try to solve all the problems at the end of Sections 1, 2, 3, 4, 6 of Chapter 4.