MATH 240 — HOMEWORK 5.

due on Friday, October 4.


Topics:
- Chapter 4 Vector Spaces
  - 4.3 Subspaces
  - 4.4 Spanning Sets
  - 4.5 Linear Dependence and Linear Independence
  - 4.6 Bases and Dimension
  - 4.7 Change of Basis

Fifth Homework Assignment.

Reading:
- Read Sections 4.4 to 4.7.

Problems: Make sure you can do all the Core Problems for Sections 4.4 to 4.7, but write up (only) the following problems to be handed in:
- Section 4.4 (page 281)
  - True-False Review: d, f, j; Problems: 10, 16, 18, 32, 40, 42
- Section 4.5 (page 295)
  - True-False Review: a, b, c; Problems: 4, 6, 13, 14, 44 a.
- Section 4.6 (page 308)
  - True-False Review: d, f, g; Problems: 4, 8, 22, 29, 37
- Section 4.7 (page 317)
  - True-False Review: a, f, g; Problems: 6, 10, 18, 24, 25