MATH 240 — HOMEWORK 6.

due on Friday, October 11.

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Topics:

• Chapter 4 Vector Spaces
  – 4.7 Change of Basis
  – 4.8 Row Space and Column Space
  – 4.9 The Rank-Nullity Theorem
  – 4.10 Invertible matrix Theorem II

Sixth Homework Assignment.

Reading:

• Read Sections 4.8 to 4.10.

Problems: Make sure you can do all the Core Problems for Sections 4.8 to 4.10, but write up (only) the following problems to be handed in:

  • Section 4.8 (page 324)
    – True-False Review: d, f; Problems: 5, 9, 14
  • Section 4.9 (page 329)
    – True-False Review: a, b, c; Problems: 8, 9, 14, 18, 19
  • Section 4.10 (page 332)
    – True-False Review: h, i;
  • Additional Problems (page 335)
    – Problems: 9, 11, 34