

Problem Set 6

Math 20

Due March 17, 2006

Reading

Read Sections 1.6 and 1.7 in Kolman and Hill.

- In Section 1.6, pay attention to Examples 9 and 10. We did not cover examples of underdetermined systems in class, but they do arise quite frequently. The subsection on Polynomial Interpolation is nice. You can skip the subsection on Temperature Distribution, and, as usual, anything about bit matrices.
- In Section 1.7, take note of Theorem 1.10 which shows the algebraic properties of the inverse combined with other operations.

Book Problems

- Section 1.6: 2, 4, 6, 8 (these four are very short), 14, 22, 42, 52, T.5.
- Section 1.7: 6, 12, 24, 26, T.4, T.10

Division

- Part I: Section 1.6
- Part II: Section 1.7