

YALE UNIVERSITY DEPARTMENT OF MATHEMATICS
Math 225 Linear Algebra and Matrix Theory
Spring 2014

Problem Set # 7 (due 4 pm Wednesday 26 March 2014)

Reading: FIS 3.3, 4.1–4.4

Problems:

1. FIS 3.3 Exercises 1 (If true, then either cite or prove it, if false then provide a counterexample), 2bd, 3bd, 4, 7bd.

Think about, but do not hand in: 8, 9, 10.

2. FIS 4.1 Exercise 11.

3. FIS 4.2 Exercises 1 (If true, then either cite or prove it, if false then provide a counterexample), 4, 14–22, 23, 29.

Think about, but do not hand in: 2, 3, 25.

4. FIS 4.3 Exercises 1 (If true, then either cite or prove it, if false then provide a counterexample), 9, 12, 14, 21, 23.

Think about, but do not hand in: 10, 15, 19.

5. Have a great Spring Break!