

**Review for Exam 2.**

Exam 2 covers all the material from the last exam up to (and including) matrices representing linear transformations. In the book this corresponds to sections 5.3, 5.4, 5.5 and 6.1, 6.2. You will be expected to know all the definitions.

1. Section 5.3, p. 193, problems 1, 4, 6, 8, 14, 16.
2. Section 5.4, p. 204, problems 2, 7, 10.
3. Section 5.5, p. 213, problems 1, 4, 7.
4. Section 6.1, p. 255, problems 6, 14, 16.
5. Section 6.2, p. 261, problems 5 (why is this linear transformation onto?), 6.