

MTH 42: Linear Algebra

Midterm 2 review

Professor Luis Fernández

Much of the Midterm will be similar to the exercises listed below. All page numbers and exercises are from the textbook, Elementary Linear Algebra (Applications Version), 11th Ed., by H. Anton, C. Rorres.

- Do exercises 19, 20, 21, 22, 25, 26, 28, 32, 39, and True-False questions from Section 1.2.
- Do exercises 3, 4, 15, 26, 29, , and True-False questions from Section 1.3.
- Do exercises 3, 4, 5, 10, 19, 21, 25, 31, 34, 35, 45, 47, and True-False questions from Section 1.4.
- Do exercises 7, 13, 14, 15, 16, 17, 23, and True-False questions from Section 1.5.
- Do exercises 5, 13, 15, 17, 18, 19, and True-False questions from Section 1.6. Also, **memorize** Theorem 1.6.4.
- Do exercises 9, 10, 11, 12, 16, 21, 22, 23, 33, and True-False questions from Section 2.1.
- Do exercises 1, 9, 10, 11, 13, 14, 15, 17, 25, 29, 30, 31, 32 and True-False questions from Section 2.2.
- Do exercises 1, 3, 5, 7, 8, 15, 16, 19, 20, 24–28, 32 and True-False questions from Section 2.3.
- Do exercises 1, 4, 5, 17 and True-False questions from Section 3.1.

Remember that I may ask definitions in the Midterm, as well as Theorem 1.6.4.