

MAT 211: INTRODUCTION TO LINEAR ALGEBRA

Homework 3 – Due date: Friday Sept. 22nd, 2017

Reading: Appendix A: vectors, operations on vectors, dot product, length, perpendicular vectors
Section 2.3: Matrix multiplication, Theorem 2.3.3 and Theorem 2.3.4
Section 2.4: Inverse Matrix, Theorem 2.4.3 and Theorem 2.4.5

Problem 1: Solve the following problems of the textbook.

Edition 5. Section **1.2:** problems 36, 37
Section **2.3:** problems 2, 7, 11, 12, 35, 65
Section **2.4:** problems 3, 6, 11, 29

Edition 4. Section **1.2:** problems 34, 35
Section **2.3:** problems 4, 7, 10, 11, 35, 65
Section **2.4:** problems 3, 4, 11, 29