

MA 253 Homework Problems 1: Entering the matrix

Homework has both a “Reading” portion and a “Problems” portion. It is essential that you do the reading by the next class. The reading assignments are posted on a separate webpage. Don’t forget to do them!

The following problems are due on **Wed. September 10**. All page numbers and section numbers refer to the 5th edition of Bretscher’s Linear Algebra. Note that most odd numbered problems have solutions in the back of the text. Problems without solutions are worth more points than those with solutions.

- (1) Begin to learn to use *Mathematica* by following the directions on the [Learning Mathematica](#) handout.
- (2) Section 1.1 (page 5)
For these problems, you may not use a computing device:
7, 10, 14 - 16, 20
For the next two, just set up a system of linear equations. You do not need to solve the system:
24, 30
- (3) Section 1.2 (page 18)
For these problems, you may not use a computing device:
5, 6, 10, 18, 20, 29, 31, 34, 44
- (4) Section 1.3 (page 34)
For these problems, you may not use a computing device:
1, 2, 8, 11, 13, 15, 19, 23, 24, 26, 28, 30, 34, 47 , 48