

# MAT 148, Winter 2016 Homework Assignment 1

**Due before the start of the class on Monday, January 11**

Please read the Appendix of the textbook before starting on the problem set.

**Written Assignment:** Appendix: problems 6, 7, 16; Problem A.

**A.** How many vectors are there in a  $d$ -dimensional space over a field with 2 elements?

*The homework must be legible, and written in connected sentences that explains what you are doing. Just the answer (whether correct or not) is not enough. Please put your name and section number on every page and staple the pages together. Homework should be handed in on time, late homework will not be graded.*