

**MATH 7 Elementary Linear Algebra
HOMEWORK and GRADED EXERCISES**

Use a calculator only if instructed to do so.

To receive credit for graded exercises, you must show all steps of your work/thinking. Answers without supporting work will receive a score of zero (you may re-submit the problem showing complete work for full credit). To receive full credit, follow all instructions carefully and do all parts of a problem, unless stated otherwise.

Section		CHAPTER ONE – Assigned homework exercises
1		1, 3, 4, 7, 9, 13, 15, 19, 21, 31, 33, 39, 47 – 55 ODD, 65 – 69 ODD, 70, 71, 73, 77 – 83 ODD, 87, 91, 93
2		3, 7, 9 – 21 EOO, 23, 27, 31 – 39 ODD, 43 – 47 ODD, 49, 57, 58, 59, 61, 67, 68
3		3, 5, 13, 15, 21, 23, 27
Section		Date Due
CHAPTER ONE – Graded Exercises		
1		52, 82
2		28 – Use Gaussian Elimination with back-sub, 30 – use Gauss-Jordan elimination, 48(c & d)
3		22 (you may use a calculator to solve the system)
Section		CHAPTER TWO – Assigned homework exercises
1		1 – 17 ODD, 21 – 28 ALL, 31, 35 – 4 ODD, 42, 43 – 55 ODD, 63, 65, 67, 68
2		1, 7, 9, 11, 15, 17, 19 – 22 ALL, 23, 25, 29, 31, 35 – 37 ALL, 39, 43, 47, 49, 50, 57, 59, 62
3		1 – 7 ODD, 11, 13, 17, 19, 25 – 29 ODD, 33 – 45 ODD, 46, 47, 48, 53
4		1 – 9 ODD, 10, 13, 15, 16, 21, 23, 27, 29, 33, 34, 41 – 43 ALL, 45 47 ALL, 49 – 53 ODD
Section		Date Due
CHAPTER TWO – Graded Exercises		
1		40, 58 (Hints: AB is square means AB is $n \times n$. Use the other hints provided in the text)
2		26, 38(a), 38(b), 54 - Prove property 3 of Theorem 2.6,
3		12, 36(a, b, d), 50
4		44