## MATH 1300, Fall 2012 Suggested Problems for Homework

The following is a list of problems from the textbook (Elementary Linear Algebra by Anton) and should be regarded as an initial guide. It is up to each individual student to decide if he/she needs to occasionally modify the list (by including or excluding problems from the exercise sets in the textbook). In general, doing more problems improves your understanding of the material and your chances to get a higher mark.

| Section | Pages | Exercises |
| :--- | :--- | :--- |
| 1.1 | $6-8$ | $1-11$ odd, 14 |
| 1.2 | $19-23$ | $1-14$ even, $17-19,22,26,27,31,32$ |
| 1.3 | $34-38$ | $1-6,12-14,18,21,29,32$ |
| 1.4 | $48-51$ | $3,4,7,8,12,14,17,20,21,29,31,35,36$ |
| 1.5 | $57-60$ | $1-3,6-8,10,13,17,22,23$ |
| 1.6 | $66-68$ | $1-6,9,12,17,21-23,27,29$ |
| 1.7 | $73-76$ | $1,3,7,10,15,19,30$ |
| 2.1 | $94-96$ | $1,2,5,7,10,13,16-19,25,27,35$ |
| 2.2 | $101-103$ | $1-5,12,19$ |
| 2.3 | $109-111$ | $1-4,6,9,12,20,22$ |
| 3.1 | $130-131$ | $1(\mathrm{a})-(\mathrm{c}), 2(\mathrm{a}),(\mathrm{b}),(\mathrm{g}),(\mathrm{i}), 3(\mathrm{a}),(\mathrm{b}),(\mathrm{f}), 4,6,10,11,21$ |
| 3.2 | $134-135$ | $1(\mathrm{a}),(\mathrm{b}),(\mathrm{d}),(\mathrm{e}), 2(\mathrm{a}),(\mathrm{c}), 3,6,7,11,16$ |
| 3.3 | $142-144$ | $1(\mathrm{a}),(\mathrm{c})-6(\mathrm{a}),(\mathrm{c}), 8-10,12,13,16,17,25,27,31$ |
| 3.4 | $153-155$ | $1-4,8-10,12,15,17,21,24,37$ |
| 3.5 | $162-165$ | $1-41$ odd, $47,48,51,52$ |
| 4.1 | $178-180$ | $1,2,4,6,9,11,14,16,18,20,21,23$ |
| 4.2 | $181-197$ | $1-10,12,16$, |
| 4.3 | $197-209$ | $1-8,10,12,14-16,18-19$ |
| 4.4 | $210-218$ | $1-4,7$, |
| Eigenve <br> ctors <br> etc. |  | info will be provided later |

