Third Homework Assignment for Math 232 (D200)

Due: Friday, October 2nd.

All section references are to the Lay text.

Reminder:

The first midterm is Wednesday, October 7th.

Problems to hand in:

Section 1.5 problems 20, 26, 32 Section 1.6 problems 8, 14 Section 1.7 problems 6, 12, 18, 26 Consider the matrix:

					1	-2	0	1	2]
$A = [\mathbf{a_1}]$	a_2	$\mathbf{a_3}$	$\mathbf{a_4}$	$\mathbf{a_5}] =$	-1	3	1	0	1
					2	0	4	1	1

Which of the following subsets of the columns are linearly independent?

 $\{a_1,a_2,a_3\}; \quad \{a_1,a_4,a_5\}; \quad \{a_1,a_3,a_4\}; \quad \{a_3,a_4,a_5\}$

Some other problems you should try:

More true-false questions: Section 1.7 numbers 21 and 22. To practice expressing solutions in parametric form, try Section 1.5 problems 5, 7, 9, 13, 15.

Reading for this week:

For Wednesday, Section 1.8. For Friday, Sections 1.9 and 1.10.