

## MATH260 Assignments

Text: Linear Algebra and its Applications, Third Edition or Third Edition Update, David C Lay

Section	Page	Assignment
1.1	11	1,3,5,7,9,11,13,15,17,21,23,25,27,29,31,33
1.2	25	1,3,5,7,13,15,17,19,21,23,25,27,29,33
1.3	37	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31
1.4	47	1,3,5,7,9,11,13,15,17,19,21,23,25,27,31,33,35,37
1.5	55	1,3,5,7,11,13,15,17,21,23,25,29,33
1.6	63	1,3,5,11
1.7	71	1,3,5,7,9,11,13,15,17,19,21,23,27,31,33,35,37,39,41
1.8	79	1,3,5,7,9,11,13,15,17,19,21,23,25,29,31,33
1.9*	90	1,4,9,13,15,17,19,21,23,31,35,37,39
1.10@	99	5,7
2.1	116	1,3,5,7,9,13,15,17,19,21,23,25,27,37
2.2	126	1,3,5,7,9,11,13,15,17,19,21,23,29,31,35,39*
2.3	123	1,3,5,7,9,13,15,17,19,21,23,25,27,29,33
2.4*	139	1,3,5,7,9,11,13
2.5*	149	1,3,5,7,9,19,21,25,27
2.7@	165	1,3,5,7,9,11,13,15,17,19
2.8*	173	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35
2.9*	180	1,3,5,7,9,11,13,15,17,19,21,23,25
3.1*	190	1,3,9,13,17,19,21,23,25,27,29,33,37,39
3.2*	199	1,3,5,7,11,13,15,17,19,21,23,25,27,29,31,33,37,39
4.1	223	1,3,5,7,8,9,11,13,15,17,19,21,23,25,27,29,31,35
4.2	234	1,3,5,7,9,11,13,15,17,19,21,23,25,27,31,33,35,37
4.3	243	1,3,5,7,9,11,13,15,17,19,21,23,27,29,31
4.4	253	1,3,5,7,9,11,13,15,17,19,21,27,33
4.5	260	1,3,5,7,9,11,13,15,17,19,21,23,25,29,30
4.6	269	1,3,5,7,9,11,13,15,17,19,21,23,27,29
4.7*	276	1,3,5,7,9,11,13
4.8@*	285	1,3,5,7,9,11,13,15,19,21
5.1	308	1,3,5,7,9,11,13,15,17,19,21,23,25,27,31
5.2	317	1,3,5,7,9,13,15,17,19,21,23,24
5.3	325	1,3,5,7,9,11,15,17,21,23,25,27,31
5.4*	333	1,3,5,9,11,13,15,17,19,21
5.5*	341	1,3,5,7,9,11,13,15
5.6@	352	1,2,3,5
6.1	382	1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31
6.2	392	1,3,5,7,9,11,13,15,17,19,21,23,27,29
6.3	400	1,3,5,7,9,11,13,15,17,19,21
6.4*	407	1,3,5,7,9,11,13
6.5*	416	1,3,5,7,9,11,13,15,17
6.6@	425	1,3,5,7,9
7.1*	454	1,3,5,7,9,11,13,15,17,19,23,25,29
7.2*	462	1,3,5,7,9,11,13,19,21
7.3*	465	1,3,5,9

\*optional    @applications

MATH260 is a linear algebra (sometimes called matrix theory) course. Topic include systems of linear equations, row reduction, applications of linear systems, vectors in 3-space, linear independence, linear transformation, matrix operations, computer graphics@, determinants\*, vector spaces , null space, column and row space, basis, eigenvectors, eigenvalues, diagonalization, complex eigenvalues\*, inner product, length, orthogonality and orthogonal projections, Gram-Schmidt process\*, least-squares problems\*, and quadratic forms\*.