Problem Sets

MATH 200 - Linear Algebra
Spring 2026
Problems from Lay's *Linear Algebra and its Applications,* **4th edition**

February 5, 2026

1.1 - 3, 5, 7, 11, 13, 15, 18, 19, 23, 29 (and simply) read 33, 34
1.2 1, 3, 7, 11, 13, 19, 21, 23, 29, 32 (and simply) read 33, 34
1.3 1, 5, 7, 9, 11, 15, 18, 21, 23, 27
1.4 1, 2, 3, 5, 8, 11, 15, 19, 21, 25, 29
1.5 1, 3, 7, 11, 13, 17, 20, 21, 27, 31
1.6 11, 13, 14 (use Maple or other software for these problems!)
1.7 1, 3, 7, 9, 12, 15, 17, 21, 23, 27, 31, 33, 37
1.8 1, 3, 6, 9, 11, 15, 18, 21, 25, 30, 31
1.9 1, 3, 7, 8, 13, 15, 17, 21, 23, 29, 35 Read section **1.10**
2.1 1, 3, 5, 9, 10, 12, 15, 17, 21, 28
2.2 1, 5, 7, 9, 11, 17, 21, 31
2.3 1, 5, 11, 13, 15, 17, 21, 23, 31
2.4 1, 3, 5, 9, 11, 15
Economists read Section 2.6; Computer Sci. read 2.7; Physicists re-read end of 2.5
2.5 1, 3, 9, 19, 23 (Read 29, 31)
3.1 1, 5, 12, 19, 20, 21, 25, 39
3.2 1, 3, 5, 11, 15, 21, 25, 27, 30, 35, 37
4.1 1, 3, 5, 7, 11, 19, 21, 23, 32
4.2 1, 3, 5, 9, 15, 17, 25, 27, 29
4.3 1, 5, 7, 11, 13, 15, 21, 23, 29, 34
4.4 1, 3, 7, 9, 13, 15, 19, 27
4.5 1, 5, 9, 11, 13, 15, 19, 21, 29, 31
4.6 1, 3, 5, 7, 11, 17, 21, 27, 31
4.7 1, 3, 7, 9, 11, 15
4.9 3 and 5
5.1 1, 3, 7, 9, 13, 19, 21, 27, 31
5.2 1, 5, 9, 15, 17, 21
5.3 1, 3, 5, 7, 11, 17, 21, 23, 27
5.4 1,3, 7, 11, 13, 17, 19, 25

6.1 1, 3, 5, 7, 9, 13, 15, 17, 19, 27
6.2 1, 3, 7, 9, 11, 15, 17, 21, 23
6.3 1, 3, 5, 7, 9, 11, 15, 17, 21
6.4 1, 3, 7, 9, 13, 17
6.5 1, 3, 5, 9, 13, 17
Google Page-Rank Algorithm. TBA