

Be ready to show Your Homework:

- 1. Matrix operations:** 15.2 (2, 3, 6, 7), 15.5 (1, 2, 8, 13, 11), 15.11 (2, 3, 6), 15.12(1, 2, 6), 15.16, 15.14
 - 2. Inverse matrix.** 15.45 (1, 5, 7, 10), 15.48(3), 15.54 (6, 8, 10), 15.50, 15.63(4, 6), 15.65 (3, 5)
 - 3. Rank of a Matrix.** 16.4 (2, 7), 16.5, 16.6, 16.8, 16.10, 16.13, 16.18 (3, 7, 11, 15, 19, 23, 27), 16.22, 16.24.
 - 4. Determinants.** 14.4 (5), 14.7 (5, 6, 8), 14.21 (7, 8, 14), 14.23 (6, 9, 13, 15)
 - 5. System of linear equations.** 17.1 (3, 5), 17.2 (4), 17.6(10), 18.1 (9, 10), 19.1 (7, 8). 19.6 (3, 4, 5, 15, 27, 33, 45, 34, 41)
 - 6. Vector space.** 20.8(1, 4), 20.13(4), 20.14 (7), 20.17 (4), 20.22 (3), 20.23 (6), 20.32 (2) .
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- 7. Next week (lecture -13. Sum and intersection of Subspaces).**
H/w 21.7 (9), 21.4(4).