

Day 14 Linear transformations

Homework 14. Start reading Section 2.1 of the textbook and do the following problems:

Problems 9, 10, 11, 12 15 and 16.

Day 15 Rank and Nullity

Homework 14. Finish reading Section 2.1 of the textbook and do the following problems:

Problems 1, 2, 3, 14(c), 17 and 22

Day 16 The matrix of a linear transformation (Due Monday Feb 17).

Homework 16. Read Section 2.2 of the textbook.

1. Page 74, Problem 4.
2. Page 74, Problem 5. *To solve the equation, observe that $\frac{f'(x)}{f(x)} = (\ln f(x))'$*
3. Page 75, Problem 13.
4. Page 84, Problem 2 parts (c) – (g). *Parts (a) and (b) were done in class.*
5. Problem 4.