Linear Algebra Chapter 2

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December 29, 2022

End of Chapter Exercises

Section 2.1 Linear Transformations, Null Spaces, and Ranges

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.2 The Matrix Representation of a Linear Transformation

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.3 Composition of Linear Transformations and Matrix Multiplication

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.4 Invertibility and Isomorphisms

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.5 The Change of Coordinate Matrix

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.6 Dual Spaces

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.

Section 2.7 Homogeneous Linear Differential Equations with Constant Coefficients

Question 1.

Question 2.

Question 3.

Question 4.

Question 5.

Question 6.

Question 7.

Question 8.

Question 9.

Question 10.