

Matrices lesson 13 - Solving matrix equations with Gaussian Elimination

Magic Monk Tutorials

1 Solve for X in the following using Gaussian Elimination.

1.1

$$\begin{pmatrix} 1 & 1 \\ 3 & 4 \end{pmatrix} X = \begin{pmatrix} 3 & 2 \\ 7 & 5 \end{pmatrix}$$

1.2

$$\begin{pmatrix} 3 & 2 \\ 7 & 5 \end{pmatrix} X = \begin{pmatrix} 1 & 1 \\ 3 & 4 \end{pmatrix}$$

1.3

$$\begin{pmatrix} 1 & 2 & 2 \\ 2 & 5 & 4 \\ 1 & 2 & 3 \end{pmatrix} X = \begin{pmatrix} 3 & 3 & 2 \\ 2 & 3 & 4 \\ 1 & 2 & 5 \end{pmatrix}$$