

Matrices lesson 14 - Inverse of a 3x3 with Gaussian Elimination

Magic Monk Tutorials

1 Calculate the inverses of the following 3x3 matrices.

1.1

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

1.2

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

1.3

$$\begin{pmatrix} 1 & 1 & 2 \\ 2 & 3 & 2 \\ 2 & 4 & -7 \end{pmatrix}$$