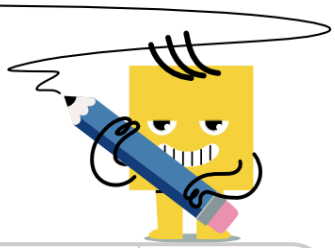
Name

Matrices - Find Inverse (2x2)



1 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 4 & 0 \\ 1 & 4 \end{bmatrix}$$

A $\begin{bmatrix} 0.12 & 0 \\ 0.03 & 0.12 \end{bmatrix}$

B $\begin{bmatrix} 0.44 & 0 \\ 0.11 & 0.44 \end{bmatrix}$

C $\begin{bmatrix} 0.25 & 0 \\ 0.06 & 0.25 \end{bmatrix}$

D $\begin{bmatrix} 4 & 0 \\ 1 & 4 \end{bmatrix}$

E $\begin{bmatrix} 0.19 & 0 \\ 0.05 & 0.19 \end{bmatrix}$

F $\begin{bmatrix} -0.12 & 0 \\ -0.03 & -0.12 \end{bmatrix}$

2 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 4 & 2 \\ 0 & 0 \end{bmatrix}$$

A $\begin{bmatrix} 3 & 1 \\ 9 & 4 \end{bmatrix}$

B $undefined$

C $\begin{bmatrix} 32 & 16 \\ 0 & 0 \end{bmatrix}$

D $\begin{bmatrix} -2 & -1 \\ 0 & 0 \end{bmatrix}$

E $\begin{bmatrix} -0.18 & -0.09 \\ 0 & 0 \end{bmatrix}$

F $\begin{bmatrix} -0.36 & -0.18 \\ 0 & 0 \end{bmatrix}$

3 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 3 & 4 \\ 4 & 2 \end{bmatrix}$$

A $\begin{bmatrix} 0.08 & 0.1 \\ 0.1 & 0.05 \end{bmatrix}$

B $\begin{bmatrix} -0.1 & -0.13 \\ -0.13 & -0.07 \end{bmatrix}$

C $\begin{bmatrix} -0.3 & -0.4 \\ -0.4 & -0.2 \end{bmatrix}$

D $\begin{bmatrix} -0.6 & -0.8 \\ -0.8 & -0.4 \end{bmatrix}$

E $\begin{bmatrix} -0.12 & -0.16 \\ -0.16 & -0.08 \end{bmatrix}$

F $\begin{bmatrix} -0.3 & -0.4 \\ -0.4 & 1.8 \end{bmatrix}$

4 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 2 & 2 \\ 3 & 4 \end{bmatrix}$$

A $undefined$

B $\begin{bmatrix} 1 & 1 \\ 1.5 & 2 \end{bmatrix}$

C $\begin{bmatrix} -1 & 1 \\ 1.5 & 2 \end{bmatrix}$

D $\begin{bmatrix} -1.5 & -1.5 \\ -2.25 & -3 \end{bmatrix}$

E $\begin{bmatrix} 4 & 2 \\ 5 & 1 \end{bmatrix}$

F $\begin{bmatrix} 4 & 1 \\ 1.5 & 4 \end{bmatrix}$

5 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 1 & 3 \\ 0 & 2 \end{bmatrix}$$

A $\begin{bmatrix} -0.12 & -0.38 \\ 0 & -0.25 \end{bmatrix}$

B $\begin{bmatrix} 0.25 & 0.75 \\ 0 & 0.5 \end{bmatrix}$

C $\begin{bmatrix} 0 & 2 \\ 0 & 5 \end{bmatrix}$

D $\begin{bmatrix} 1 & 3 \\ 0 & 2 \end{bmatrix}$

E $\begin{bmatrix} -0.88 & -2.62 \\ 0 & -1.75 \end{bmatrix}$

F $\begin{bmatrix} 0.5 & 1.5 \\ 0 & 1 \end{bmatrix}$

6 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 1 & 0 \\ 0 & 3 \end{bmatrix}$$

A $\begin{bmatrix} 0.33 & 0 \\ 3 & 3 \end{bmatrix}$

B $\begin{bmatrix} -0.14 & 0 \\ 0 & -0.43 \end{bmatrix}$

C $\begin{bmatrix} 0.33 & 0 \\ 0 & 1 \end{bmatrix}$

D $\begin{bmatrix} 0.33 & 0 \\ 0 & 3 \end{bmatrix}$

E $\begin{bmatrix} 0.42 & 0 \\ 0 & 1.25 \end{bmatrix}$

F $undefined$

7 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 3 & 4 \\ 0 & 1 \end{bmatrix}$$

A $\begin{bmatrix} -0.75 & -1 \\ 0 & -0.25 \end{bmatrix}$

B $\begin{bmatrix} 1.5 & 2 \\ 0 & 0.5 \end{bmatrix}$

C $\begin{bmatrix} 1 & 1.33 \\ 0 & 0.33 \end{bmatrix}$

D $undefined$

E $\begin{bmatrix} 9 & 12 \\ 0 & 3 \end{bmatrix}$

F $\begin{bmatrix} 0.17 & 0.22 \\ 0 & 0.06 \end{bmatrix}$

8 Find the inverse of this matrix if it has one

$$\begin{bmatrix} 1 & 1 \\ 4 & 2 \end{bmatrix}$$

A $\begin{bmatrix} -2 & -2 \\ -8 & -4 \end{bmatrix}$

B $undefined$

C $\begin{bmatrix} 5 & 7 \\ 2 & 7 \end{bmatrix}$

D $\begin{bmatrix} 1 & 1 \\ 4 & 2 \end{bmatrix}$

E $\begin{bmatrix} 0.38 & 0.38 \\ 1.5 & 0.75 \end{bmatrix}$

F $\begin{bmatrix} -0.5 & -0.5 \\ -2 & -1 \end{bmatrix}$