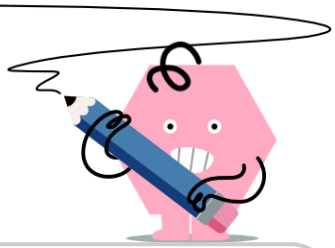
Name

Matrices - Subtract



1 Find the resulting matrix for P - M

$$P = \begin{bmatrix} 1 & 6 & 9 \\ 0 & 2 & 7 \end{bmatrix} \quad M = \begin{bmatrix} 7 & 8 & 2 \\ 6 & 2 & 8 \end{bmatrix}$$

A $\begin{bmatrix} 5 & 1 & 8 \\ 7 & 4 & 3 \end{bmatrix}$

B $\begin{bmatrix} 1 & 6 & 9 & -7 & -8 & -2 \\ 0 & 2 & 7 & -6 & -2 & -8 \end{bmatrix}$

C $\begin{bmatrix} -6 & -2 & 7 \\ -6 & 0 & -1 \end{bmatrix}$

D $\begin{bmatrix} -8 & -3 & 7 \\ -6 & 0 & -2 \end{bmatrix}$

E $\begin{bmatrix} 4 & 6 & 0 \\ 4 & 6 & 9 \end{bmatrix}$

2 Find the resulting matrix for M - D

$$M = \begin{bmatrix} 9 \\ 1 \end{bmatrix} \quad D = \begin{bmatrix} 9 \\ 1 \end{bmatrix}$$

A $\begin{bmatrix} 9 & -9 \\ 1 & -1 \end{bmatrix}$

B $\begin{bmatrix} 0 \\ 0 \end{bmatrix}$

C $\begin{bmatrix} 8 \\ 3 \end{bmatrix}$

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

E $\begin{bmatrix} 2 \\ 3 \end{bmatrix}$

3 Find the resulting matrix for Z - D

$$Z = \begin{bmatrix} 9 & 7 \end{bmatrix} \quad D = \begin{bmatrix} 6 & 3 \end{bmatrix}$$

A $\begin{bmatrix} 4 & 7 \end{bmatrix}$

B $\begin{bmatrix} 9 & 7 & -6 & -3 \end{bmatrix}$

C $\begin{bmatrix} 8 & 0 \end{bmatrix}$

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

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

4 Find the resulting matrix for Y - D

$$Y = \begin{bmatrix} 8 & 9 \end{bmatrix} \quad D = \begin{bmatrix} 8 & 9 \end{bmatrix}$$

A $\begin{bmatrix} 8 & 9 & -8 & -9 \end{bmatrix}$

B $\begin{bmatrix} 0 & -2 \end{bmatrix}$

C $\begin{bmatrix} 7 & 3 \end{bmatrix}$

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

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

5 Find the resulting matrix for B - P

$$B = \begin{bmatrix} 8 & 7 & 6 \\ 0 & 5 & 3 \\ 4 & 9 & 4 \end{bmatrix} \quad P = \begin{bmatrix} 3 & 5 & 6 \\ 9 & 8 & 8 \\ 2 & 7 & 1 \end{bmatrix}$$

A $\begin{bmatrix} 0 & 5 & 7 \\ 3 & 3 & 8 \\ 2 & 9 & 5 \end{bmatrix}$

B $\begin{bmatrix} 0 & 5 & 0 \\ 7 & 6 & 5 \\ 3 & 1 & 1 \end{bmatrix}$

C $\begin{bmatrix} 8 & 7 & 6 \\ 0 & 5 & 3 \\ 4 & 9 & 4 \\ -3 & -5 & -6 \\ -9 & -8 & -8 \\ -2 & -7 & -1 \end{bmatrix}$

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

E $\begin{bmatrix} 5 & 2 & 0 \\ -9 & -3 & -5 \\ 2 & 2 & 3 \end{bmatrix}$

6 Find the resulting matrix for B - D

$$B = \begin{bmatrix} 1 \end{bmatrix} \quad D = \begin{bmatrix} 4 \end{bmatrix}$$

A $\begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix}$

B $\begin{bmatrix} 1 & -4 \end{bmatrix}$

C $\begin{bmatrix} 8 \end{bmatrix}$

D $\begin{bmatrix} -3 \end{bmatrix}$

E $\begin{bmatrix} 1 \end{bmatrix}$

7 Find the resulting matrix for Z - X

$$Z = \begin{bmatrix} 5 & 4 \end{bmatrix} \quad X = \begin{bmatrix} 2 & 5 \end{bmatrix}$$

A $\begin{bmatrix} 5 & 4 \\ -2 & -5 \end{bmatrix}$

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

C $\begin{bmatrix} 3 & -1 \end{bmatrix}$

D $\begin{bmatrix} 6 & 9 \end{bmatrix}$

E $\begin{bmatrix} 2 & 9 \end{bmatrix}$

8 Find the resulting matrix for B - R

$$B = \begin{bmatrix} 6 & 5 \\ 3 & 8 \end{bmatrix} \quad R = \begin{bmatrix} 7 & 0 \\ 1 & 7 \end{bmatrix}$$

A $\begin{bmatrix} -3 & 5 \\ 1 & 1 \end{bmatrix}$

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

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

D $\begin{bmatrix} 9 & 6 \\ 5 & 6 \end{bmatrix}$

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

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