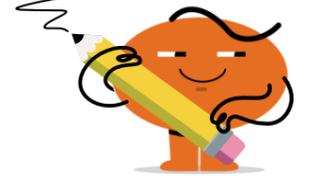




Matrices - Subtract with One Scalar



1 Find the resulting matrix for $cM - N$ when $c = 3$

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

$$N = \begin{bmatrix} 2 & 4 \\ 2 & 4 \end{bmatrix}$$

A	$\begin{bmatrix} 8 & 5 \end{bmatrix}$	B	$\begin{bmatrix} -2 & 2 \end{bmatrix}$
C	$\begin{bmatrix} 0 & 6 \\ -2 & -4 \end{bmatrix}$	D	$\begin{bmatrix} -3 & 4 \end{bmatrix}$
E	$\begin{bmatrix} 3 & 4 \end{bmatrix}$		

2 Find the resulting matrix for $M - cR$ when $c = 4$

$$M = \begin{bmatrix} 5 & 7 & 4 \\ 9 & 3 & 1 \\ 2 & 7 & 5 \end{bmatrix}$$

$$R = \begin{bmatrix} 1 & 5 & 8 \\ 3 & 2 & 6 \\ 1 & 2 & 9 \end{bmatrix}$$

A	$\begin{bmatrix} 5 & 8 & 6 \\ 0 & 9 & 9 \\ 2 & 9 & 4 \end{bmatrix}$	B	$\begin{bmatrix} 1 & -13 & -28 \\ -3 & -5 & -23 \\ -2 & -1 & -31 \end{bmatrix}$
C	$\begin{bmatrix} 5 & 7 & 4 \\ 9 & 3 & 1 \\ 2 & 7 & 5 \\ -4 & -20 & -32 \\ -12 & -8 & -24 \\ -4 & -8 & -36 \end{bmatrix}$	D	$\begin{bmatrix} 1 & -13 & -28 \\ -1 & -5 & -23 \\ -2 & -2 & -31 \end{bmatrix}$
E	$\begin{bmatrix} 4 & 9 & 5 \\ 3 & 3 & 3 \\ 4 & 9 & 3 \end{bmatrix}$		

3 Find the resulting matrix for $X - mY$ when $m = 2$

$$X = \begin{bmatrix} 4 & 9 \\ 4 & 5 \end{bmatrix}$$

$$Y = \begin{bmatrix} 4 & 5 \\ 4 & 5 \end{bmatrix}$$

A	$\begin{bmatrix} 0 & 4 \end{bmatrix}$	B	$\begin{bmatrix} -4 & -1 \end{bmatrix}$
C	$\begin{bmatrix} 2 & 4 \end{bmatrix}$	D	$\begin{bmatrix} 8 & 2 \end{bmatrix}$
E	<i>undefined</i>		

4 Find the resulting matrix for $cP - Y$ when $c = 4$

$$P = \begin{bmatrix} & \\ & \end{bmatrix}$$

$$Y = \begin{bmatrix} 2 & 5 \end{bmatrix}$$

A	$\begin{bmatrix} 4 & 2 \end{bmatrix}$	B	<i>undefined</i>
C	$\begin{bmatrix} 3 & 4 \end{bmatrix}$	D	$\begin{bmatrix} & \\ & \end{bmatrix}$

5 Find the resulting matrix for $Y - xB$ when $x = 4$

$$Y = \begin{bmatrix} 5 & 1 \\ 5 & 0 \\ 7 & 8 \\ 5 & 2 \end{bmatrix}$$

$$B = \begin{bmatrix} 7 & 8 \\ 5 & 2 \end{bmatrix}$$

A	$\begin{bmatrix} 1 & 1 \\ 4 & 4 \end{bmatrix}$	B	$\begin{bmatrix} -23 & -31 \\ -15 & -8 \end{bmatrix}$
C	<i>undefined</i>	D	$\begin{bmatrix} 1 & 3 \\ 9 & 6 \end{bmatrix}$
E	$\begin{bmatrix} 4 & 4 \\ 9 & 7 \end{bmatrix}$		

6 Find the resulting matrix for $Z - yX$ when $y = 2$

$$Z = \begin{bmatrix} 7 \\ 7 \end{bmatrix}$$

$$X = \begin{bmatrix} 7 \\ 7 \end{bmatrix}$$

A	$\begin{bmatrix} 7 \end{bmatrix}$	B	$\begin{bmatrix} -7 \end{bmatrix}$	C	$\begin{bmatrix} 1 & 1 \\ 2 & 2 \end{bmatrix}$
D	$\begin{bmatrix} 5 \end{bmatrix}$	E	$\begin{bmatrix} 0 \end{bmatrix}$		

7 Find the resulting matrix for $dR - X$ when $d = 2$

$$R = \begin{bmatrix} 2 & 7 & 9 \\ 3 & 8 & 7 \end{bmatrix}$$

$$X = \begin{bmatrix} 2 & 7 & 9 \\ 3 & 8 & 7 \end{bmatrix}$$

A	$\begin{bmatrix} 1 & 1 & 2 \end{bmatrix}$	B	$\begin{bmatrix} 4 & 14 & 18 \\ -3 & -8 & -7 \end{bmatrix}$
C	$\begin{bmatrix} 7 & 8 & 2 \end{bmatrix}$	D	$\begin{bmatrix} 1 & 6 & 11 \end{bmatrix}$

8 Find the resulting matrix for $M - nY$ when $n = 2$

$$M = \begin{bmatrix} 3 \\ 0 \\ 4 \end{bmatrix}$$

$$Y = \begin{bmatrix} 3 \\ 3 \\ 6 \end{bmatrix}$$

A	$\begin{bmatrix} 3 \\ 0 \\ 4 \end{bmatrix}$	B	$\begin{bmatrix} -2 \\ -6 \\ -8 \end{bmatrix}$
C	$\begin{bmatrix} 8 \\ 0 \\ 3 \end{bmatrix}$	D	<i>undefined</i>
E	$\begin{bmatrix} -3 \\ -6 \\ -8 \end{bmatrix}$		