



**1** Find the resulting matrix for  $M \times R$

$$M = \begin{bmatrix} 3 & 2 & 3 \\ 9 & 9 & 2 \end{bmatrix}$$

$$R = \begin{bmatrix} 5 \\ 7 \\ 3 \end{bmatrix}$$

A *undefined*

B  $\begin{bmatrix} 4 \\ 6 \end{bmatrix}$

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

D  $\begin{bmatrix} 7 & 0 & 5 \\ 8 & 1 & 3 \\ 8 & 8 & 5 \end{bmatrix}$

E  $\begin{bmatrix} 38 \\ 114 \end{bmatrix}$

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

**2** Find the resulting matrix for  $B \times M$

$$B = \begin{bmatrix} 6 \\ 2 \end{bmatrix} \quad M = \begin{bmatrix} 3 \end{bmatrix}$$

A  $\begin{bmatrix} 18 \\ 6 \end{bmatrix}$

B  $\begin{bmatrix} 18 \\ 5 \end{bmatrix}$

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

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

E  $\begin{bmatrix} 3 \\ 5 \end{bmatrix}$

F *undefined*

**3** Find the resulting matrix for  $X \times Y$

$$X = \begin{bmatrix} 1 & 1 & 4 \\ 2 & 1 & 1 \\ 0 & 4 & 2 \end{bmatrix}$$

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

A *undefined*

B  $\begin{bmatrix} 1 & 1 & 4 \\ 2 & 1 & 1 \\ 0 & 4 & 2 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$

**4** Find the resulting matrix for  $D \times B$

$$D = \begin{bmatrix} 6 & 1 & 1 \\ 6 & 8 & 9 \end{bmatrix}$$

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

A *undefined*  $\begin{bmatrix} 6 & 1 & 1 & 0 & 0 & 0 \\ 6 & 8 & 9 & 0 & 0 & 0 \end{bmatrix}$

C  $\begin{bmatrix} 6 & 1 & 1 \\ 6 & 8 & 9 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$

**5** Find the resulting matrix for  $C \times P$

$$C = \begin{bmatrix} 0 & 9 & 7 \\ 0 & 7 & 8 \\ 0 & 9 & 5 \end{bmatrix}$$

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

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

B *undefined*

C  $\begin{bmatrix} 0 & 9 & 7 & 0 & 0 & 0 \\ 0 & 7 & 8 & 0 & 0 & 0 \\ 0 & 9 & 5 & 0 & 0 & 0 \end{bmatrix}$

**6** Find the resulting matrix for  $X \times Y$

$$X = \begin{bmatrix} 8 & 8 & 8 \\ 2 & 1 & 1 \end{bmatrix}$$

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

A  $\begin{bmatrix} 0 & 8 & 6 \\ 5 & 5 & 0 \\ 1 & 3 & 4 \end{bmatrix}$

B *undefined*

C  $\begin{bmatrix} 8 & 8 & 8 & 9 & 6 & 0 \\ 2 & 1 & 1 & 0 & 9 & 0 \end{bmatrix}$

D  $\begin{bmatrix} 5 & 8 & 6 \\ 8 & 7 & 5 \\ 2 & 3 & 3 \end{bmatrix}$

E  $\begin{bmatrix} 0 & 5 & 0 \\ 9 & 2 & 1 \\ 2 & 2 & 1 \end{bmatrix}$

F  $\begin{bmatrix} 104 & 192 \\ 22 & 30 \end{bmatrix}$

**7** Find the resulting matrix for  $Y \times R$

$$Y = \begin{bmatrix} 5 \\ 9 \\ 7 \end{bmatrix} \quad R = \begin{bmatrix} 2 \end{bmatrix}$$

A *undefined*

B  $\begin{bmatrix} 5 \end{bmatrix}$

C  $\begin{bmatrix} 5 & 2 \\ 9 & 0 \\ 7 & 0 \end{bmatrix}$

D  $\begin{bmatrix} 5 \\ 5 \\ 3 \end{bmatrix}$

E  $\begin{bmatrix} 10 \\ 18 \\ 14 \end{bmatrix}$

F  $\begin{bmatrix} 6 \end{bmatrix}$

**8** Find the resulting matrix for  $D \times Z$

$$D = \begin{bmatrix} \end{bmatrix}$$

$$Z = \begin{bmatrix} 4 & 7 \\ 1 & 6 \end{bmatrix}$$

A *undefined*

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