

Matrices

Name: _____

Date: _____

Using Diagonal method matrices.

1)
$$\begin{bmatrix} 12 & -10 & 22 \\ -3 & 1 & 9 \\ 11 & 17 & 0 \end{bmatrix}$$

2)
$$\begin{bmatrix} 2 & 8 & 3 \\ 5 & -9 & 12 \\ 9 & 2 & 4 \end{bmatrix}$$

3)
$$\begin{bmatrix} 22 & 11 & 3 \\ 7 & -16 & 2 \\ 9 & 4 & 5 \end{bmatrix}$$

Expand along Column1.

4)
$$\begin{bmatrix} -3 & 8 & 1 \\ 2 & 6 & 4 \\ 10 & 2 & 7 \end{bmatrix}$$

5)
$$\begin{bmatrix} 9 & 14 & -8 \\ 13 & -9 & 11 \\ 4 & 7 & 3 \end{bmatrix}$$

6)
$$\begin{bmatrix} 9 & 14 & 12 \\ 2 & -7 & -10 \\ -8 & 2 & 11 \end{bmatrix}$$

Expand along Column2.

1)
$$\begin{bmatrix} -2 & -12 & 7 \\ 10 & 9 & 5 \\ 1 & 4 & 8 \end{bmatrix}$$

2)
$$\begin{bmatrix} 14 & 4 & 7 \\ 11 & -8 & 3 \\ 5 & 2 & 6 \end{bmatrix}$$

3)
$$\begin{bmatrix} 10 & 15 & 9 \\ -7 & -2 & 6 \\ 8 & 3 & 1 \end{bmatrix}$$

Expand along Column3.

4)
$$\begin{bmatrix} 5 & 6 & -12 \\ 7 & 8 & 3 \\ 9 & 2 & 1 \end{bmatrix}$$

5)
$$\begin{bmatrix} 14 & 3 & 6 \\ 12 & -4 & 8 \\ 13 & 7 & 9 \end{bmatrix}$$

6)
$$\begin{bmatrix} 16 & 0 & 7 \\ 1 & -2 & 7 \\ 3 & 8 & 4 \end{bmatrix}$$

Matrices

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Using Diagonal method matrices.

1)
$$\begin{bmatrix} 12 & -10 & 22 \\ -3 & 1 & 9 \\ 11 & 17 & 0 \end{bmatrix}$$

-4190

2)
$$\begin{bmatrix} 2 & 8 & 3 \\ 5 & -9 & 12 \\ 9 & 2 & 4 \end{bmatrix}$$

857

3)
$$\begin{bmatrix} 22 & 11 & 3 \\ 7 & -16 & 2 \\ 9 & 4 & 5 \end{bmatrix}$$

-1607

Expand along Column1.

4)
$$\begin{bmatrix} -3 & 8 & 1 \\ 2 & 6 & 4 \\ 10 & 2 & 7 \end{bmatrix}$$

50

5)
$$\begin{bmatrix} 9 & 14 & -8 \\ 13 & -9 & 11 \\ 4 & 7 & 3 \end{bmatrix}$$

-1882

6)
$$\begin{bmatrix} 9 & 14 & 12 \\ 2 & -7 & -10 \\ -8 & 2 & 11 \end{bmatrix}$$

-325

Expand along Column2.

1)
$$\begin{bmatrix} -2 & -12 & 7 \\ 10 & 9 & 5 \\ 1 & 4 & 8 \end{bmatrix}$$

1013

2)
$$\begin{bmatrix} 14 & 4 & 7 \\ 11 & -8 & 3 \\ 5 & 2 & 6 \end{bmatrix}$$

-526

3)
$$\begin{bmatrix} 10 & 15 & 9 \\ -7 & -2 & 6 \\ 8 & 3 & 1 \end{bmatrix}$$

580

Expand along Column3.

4)
$$\begin{bmatrix} 5 & 6 & -12 \\ 7 & 8 & 3 \\ 9 & 2 & 1 \end{bmatrix}$$

826

5)
$$\begin{bmatrix} 14 & 3 & 6 \\ 12 & -4 & 8 \\ 13 & 7 & 9 \end{bmatrix}$$

-484

6)
$$\begin{bmatrix} 16 & 0 & 7 \\ 1 & -2 & 7 \\ 3 & 8 & 4 \end{bmatrix}$$

-926