

Matrices

Name: _____

Date: _____

Using Diagonal method matrices.

1)
$$\begin{bmatrix} 13 & -4 & 9 \\ 12 & 3 & -10 \\ -7 & 6 & 18 \end{bmatrix}$$

2)
$$\begin{bmatrix} 22 & 6 & 2 \\ -9 & -12 & 5 \\ 8 & 9 & -17 \end{bmatrix}$$

3)
$$\begin{bmatrix} 10 & 3 & 6 \\ 4 & -15 & 12 \\ 22 & 10 & -18 \end{bmatrix}$$

Expand along Row1.

4)
$$\begin{bmatrix} 24 & 8 & -16 \\ 7 & -2 & 3 \\ -14 & 19 & -23 \end{bmatrix}$$

5)
$$\begin{bmatrix} 13 & 6 & 17 \\ 22 & -3 & 18 \\ 1 & 1 & 9 \end{bmatrix}$$

6)
$$\begin{bmatrix} 8 & 13 & 16 \\ 24 & -25 & 8 \\ 17 & 2 & 6 \end{bmatrix}$$

Expand along Row2.

1)
$$\begin{bmatrix} 16 & 9 & 4 \\ 2 & 3 & -7 \\ 5 & -14 & 2 \end{bmatrix}$$

2)
$$\begin{bmatrix} -21 & 4 & 0 \\ 8 & -7 & 2 \\ 10 & 24 & 3 \end{bmatrix}$$

3)
$$\begin{bmatrix} 5 & -2 & 9 \\ 8 & 17 & 12 \\ -26 & 20 & 0 \end{bmatrix}$$

Expand along Row3.

4)
$$\begin{bmatrix} 7 & 6 & 3 \\ -5 & 1 & 2 \\ 7 & -9 & 11 \end{bmatrix}$$

5)
$$\begin{bmatrix} 3 & 19 & 10 \\ 5 & 2 & -15 \\ 3 & -7 & 5 \end{bmatrix}$$

6)
$$\begin{bmatrix} 13 & 0 & 21 \\ -7 & 5 & 2 \\ 6 & 9 & -11 \end{bmatrix}$$

Matrices

Name: _____

Date: _____

Using Diagonal method matrices.

1)
$$\begin{bmatrix} 13 & -4 & 9 \\ 12 & 3 & -10 \\ -7 & 6 & 18 \end{bmatrix}$$

2903

2)
$$\begin{bmatrix} 22 & 6 & 2 \\ -9 & -12 & 5 \\ 8 & 9 & -17 \end{bmatrix}$$

2850

3)
$$\begin{bmatrix} 10 & 3 & 6 \\ 4 & -15 & 12 \\ 22 & 10 & -18 \end{bmatrix}$$

4728

Expand along Row1.

4)
$$\begin{bmatrix} 24 & 8 & -16 \\ 7 & -2 & 3 \\ -14 & 19 & -23 \end{bmatrix}$$

-992

5)
$$\begin{bmatrix} 13 & 6 & 17 \\ 22 & -3 & 18 \\ 1 & 1 & 9 \end{bmatrix}$$

-1240

6)
$$\begin{bmatrix} 8 & 13 & 16 \\ 24 & -25 & 8 \\ 17 & 2 & 6 \end{bmatrix}$$

6136

Expand along Row2.

1)
$$\begin{bmatrix} 16 & 9 & 4 \\ 2 & 3 & -7 \\ 5 & -14 & 2 \end{bmatrix}$$

-1995

2)
$$\begin{bmatrix} -21 & 4 & 0 \\ 8 & -7 & 2 \\ 10 & 24 & 3 \end{bmatrix}$$

1433

3)
$$\begin{bmatrix} 5 & -2 & 9 \\ 8 & 17 & 12 \\ -26 & 20 & 0 \end{bmatrix}$$

4842

Expand along Row3.

4)
$$\begin{bmatrix} 7 & 6 & 3 \\ -5 & 1 & 2 \\ 7 & -9 & 11 \end{bmatrix}$$

731

5)
$$\begin{bmatrix} 3 & 19 & 10 \\ 5 & 2 & -15 \\ 3 & -7 & 5 \end{bmatrix}$$

-2025

6)
$$\begin{bmatrix} 13 & 0 & 21 \\ -7 & 5 & 2 \\ 6 & 9 & -11 \end{bmatrix}$$

-2902