

# Matrices

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 9 & -8 & 13 \\ -2 & 7 & 5 \\ 11 & -10 & 4 \end{bmatrix}$$

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2) 
$$\begin{bmatrix} 8 & 2 & -12 \\ 9 & -5 & 6 \\ 13 & 4 & 12 \end{bmatrix}$$

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3) 
$$\begin{bmatrix} 18 & 2 & 17 \\ 5 & -10 & 8 \\ 4 & 2 & 9 \end{bmatrix}$$

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## Expand along Column1.

4) 
$$\begin{bmatrix} 10 & 13 & 7 \\ 5 & 3 & 10 \\ 19 & 4 & 9 \end{bmatrix}$$

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

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6) 
$$\begin{bmatrix} 5 & 3 & 1 \\ 8 & -17 & -19 \\ -4 & 8 & 7 \end{bmatrix}$$

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## Expand along Column2.

1) 
$$\begin{bmatrix} 5 & -12 & 17 \\ 5 & 2 & 4 \\ 8 & 7 & 13 \end{bmatrix}$$

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2) 
$$\begin{bmatrix} 11 & 8 & 7 \\ 21 & -3 & 8 \\ 5 & 2 & 6 \end{bmatrix}$$

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3) 
$$\begin{bmatrix} 9 & 12 & 2 \\ -8 & -5 & 8 \\ 3 & 13 & 7 \end{bmatrix}$$

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## Expand along Column3.

4) 
$$\begin{bmatrix} 13 & 12 & -17 \\ 4 & 8 & 5 \\ 11 & -2 & 9 \end{bmatrix}$$

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5) 
$$\begin{bmatrix} 13 & 4 & -7 \\ 2 & -9 & 14 \\ 21 & 3 & 19 \end{bmatrix}$$

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6) 
$$\begin{bmatrix} 23 & 7 & 16 \\ 11 & -8 & 12 \\ 5 & 2 & 5 \end{bmatrix}$$

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# Matrices

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Date: \_\_\_\_\_

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 9 & -8 & 13 \\ -2 & 7 & 5 \\ 11 & -10 & 4 \end{bmatrix}$$

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-543

2) 
$$\begin{bmatrix} 8 & 2 & -12 \\ 9 & -5 & 6 \\ 13 & 4 & 12 \end{bmatrix}$$

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-1944

3) 
$$\begin{bmatrix} 18 & 2 & 17 \\ 5 & -10 & 8 \\ 4 & 2 & 9 \end{bmatrix}$$

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-1084

## Expand along Column1.

4) 
$$\begin{bmatrix} 10 & 13 & 7 \\ 5 & 3 & 10 \\ 19 & 4 & 9 \end{bmatrix}$$

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1496

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

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-1382

6) 
$$\begin{bmatrix} 5 & 3 & 1 \\ 8 & -17 & -19 \\ -4 & 8 & 7 \end{bmatrix}$$

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221

## Expand along Column2.

1) 
$$\begin{bmatrix} 5 & -12 & 17 \\ 5 & 2 & 4 \\ 8 & 7 & 13 \end{bmatrix}$$

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709

2) 
$$\begin{bmatrix} 11 & 8 & 7 \\ 21 & -3 & 8 \\ 5 & 2 & 6 \end{bmatrix}$$

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-663

3) 
$$\begin{bmatrix} 9 & 12 & 2 \\ -8 & -5 & 8 \\ 3 & 13 & 7 \end{bmatrix}$$

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-469

## Expand along Column3.

4) 
$$\begin{bmatrix} 13 & 12 & -17 \\ 4 & 8 & 5 \\ 11 & -2 & 9 \end{bmatrix}$$

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2926

5) 
$$\begin{bmatrix} 13 & 4 & -7 \\ 2 & -9 & 14 \\ 21 & 3 & 19 \end{bmatrix}$$

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-3110

6) 
$$\begin{bmatrix} 23 & 7 & 16 \\ 11 & -8 & 12 \\ 5 & 2 & 5 \end{bmatrix}$$

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-445