

# Matrices

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

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

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 3 & 9 & -4 \\ 5 & 6 & 5 \\ -7 & 11 & 13 \end{bmatrix}$$

\_\_\_\_\_

2) 
$$\begin{bmatrix} 14 & 2 & -8 \\ -7 & 0 & 9 \\ 2 & 5 & 10 \end{bmatrix}$$

\_\_\_\_\_

3) 
$$\begin{bmatrix} 11 & 2 & 3 \\ -8 & 14 & -5 \\ 9 & 2 & 6 \end{bmatrix}$$

\_\_\_\_\_

4) 
$$\begin{bmatrix} 9 & -7 & 15 \\ 18 & 4 & 2 \\ 6 & 9 & -2 \end{bmatrix}$$

\_\_\_\_\_

5) 
$$\begin{bmatrix} -4 & 5 & 1 \\ -3 & 8 & 12 \\ 9 & 0 & -7 \end{bmatrix}$$

\_\_\_\_\_

6) 
$$\begin{bmatrix} -2 & 8 & 9 \\ 7 & -2 & 10 \\ 15 & 11 & 4 \end{bmatrix}$$

\_\_\_\_\_

## Expand along Row1.

1) 
$$\begin{bmatrix} 3 & 7 & 6 \\ -1 & 8 & 9 \\ 10 & 5 & -4 \end{bmatrix}$$

\_\_\_\_\_

2) 
$$\begin{bmatrix} -5 & 8 & 13 \\ 7 & 2 & 10 \\ 2 & -9 & 3 \end{bmatrix}$$

\_\_\_\_\_

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

\_\_\_\_\_

4) 
$$\begin{bmatrix} 11 & 7 & 9 \\ -2 & 6 & 13 \\ 4 & 5 & -1 \end{bmatrix}$$

\_\_\_\_\_

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

\_\_\_\_\_

6) 
$$\begin{bmatrix} 12 & -2 & -4 \\ 7 & 5 & 10 \\ 13 & 6 & 8 \end{bmatrix}$$

\_\_\_\_\_

# Matrices

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

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 3 & 9 & -4 \\ 5 & 6 & 5 \\ -7 & 11 & 13 \end{bmatrix}$$

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-1219

2) 
$$\begin{bmatrix} 14 & 2 & -8 \\ -7 & 0 & 9 \\ 2 & 5 & 10 \end{bmatrix}$$

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-174

3) 
$$\begin{bmatrix} 11 & 2 & 3 \\ -8 & 14 & -5 \\ 9 & 2 & 6 \end{bmatrix}$$

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614

4) 
$$\begin{bmatrix} 9 & -7 & 15 \\ 18 & 4 & 2 \\ 6 & 9 & -2 \end{bmatrix}$$

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1500

5) 
$$\begin{bmatrix} -4 & 5 & 1 \\ -3 & 8 & 12 \\ 9 & 0 & -7 \end{bmatrix}$$

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587

6) 
$$\begin{bmatrix} -2 & 8 & 9 \\ 7 & -2 & 10 \\ 15 & 11 & 4 \end{bmatrix}$$

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2175

## Expand along Row1.

1) 
$$\begin{bmatrix} 3 & 7 & 6 \\ -1 & 8 & 9 \\ 10 & 5 & -4 \end{bmatrix}$$

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-139

2) 
$$\begin{bmatrix} -5 & 8 & 13 \\ 7 & 2 & 10 \\ 2 & -9 & 3 \end{bmatrix}$$

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-1359

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

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-720

4) 
$$\begin{bmatrix} 11 & 7 & 9 \\ -2 & 6 & 13 \\ 4 & 5 & -1 \end{bmatrix}$$

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-737

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

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-445

6) 
$$\begin{bmatrix} 12 & -2 & -4 \\ 7 & 5 & 10 \\ 13 & 6 & 8 \end{bmatrix}$$

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-296