

# Matrices

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

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

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 6 & 10 & 5 \\ 4 & 2 & 0 \\ 12 & 17 & 3 \end{bmatrix}$$

\_\_\_\_\_

2) 
$$\begin{bmatrix} 5 & 4 & 11 \\ 8 & 1 & 2 \\ 4 & 8 & 14 \end{bmatrix}$$

\_\_\_\_\_

3) 
$$\begin{bmatrix} 7 & 2 & 8 \\ 10 & 15 & 0 \\ 11 & 13 & 5 \end{bmatrix}$$

\_\_\_\_\_

4) 
$$\begin{bmatrix} 6 & 8 & 12 \\ 20 & 7 & 3 \\ 1 & 5 & 14 \end{bmatrix}$$

\_\_\_\_\_

5) 
$$\begin{bmatrix} 17 & 5 & 10 \\ 9 & 0 & 11 \\ 8 & 2 & 4 \end{bmatrix}$$

\_\_\_\_\_

6) 
$$\begin{bmatrix} 6 & 7 & 2 \\ 3 & 5 & 13 \\ 13 & 10 & 8 \end{bmatrix}$$

\_\_\_\_\_

## Expand along Row1.

1) 
$$\begin{bmatrix} 4 & 8 & 12 \\ 11 & 2 & 10 \\ 5 & 6 & 9 \end{bmatrix}$$

\_\_\_\_\_

2) 
$$\begin{bmatrix} 22 & 9 & 15 \\ 16 & 3 & 8 \\ 6 & 9 & 5 \end{bmatrix}$$

\_\_\_\_\_

3) 
$$\begin{bmatrix} 8 & 2 & 15 \\ 19 & 17 & 3 \\ 4 & 2 & 6 \end{bmatrix}$$

\_\_\_\_\_

4) 
$$\begin{bmatrix} 16 & 18 & 10 \\ 8 & 7 & 12 \\ 13 & 9 & 17 \end{bmatrix}$$

\_\_\_\_\_

5) 
$$\begin{bmatrix} 15 & 23 & 8 \\ 19 & 21 & 13 \\ 7 & 6 & 9 \end{bmatrix}$$

\_\_\_\_\_

6) 
$$\begin{bmatrix} 24 & 7 & 9 \\ 13 & 14 & 11 \\ 17 & 2 & 1 \end{bmatrix}$$

\_\_\_\_\_

# Matrices

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

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

## Using Diagonal method matrices.

1) 
$$\begin{bmatrix} 6 & 10 & 5 \\ 4 & 2 & 0 \\ 12 & 17 & 3 \end{bmatrix}$$

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136

2) 
$$\begin{bmatrix} 5 & 4 & 11 \\ 8 & 1 & 2 \\ 4 & 8 & 14 \end{bmatrix}$$

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234

3) 
$$\begin{bmatrix} 7 & 2 & 8 \\ 10 & 15 & 0 \\ 11 & 13 & 5 \end{bmatrix}$$

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145

4) 
$$\begin{bmatrix} 6 & 8 & 12 \\ 20 & 7 & 3 \\ 1 & 5 & 14 \end{bmatrix}$$

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-602

5) 
$$\begin{bmatrix} 17 & 5 & 10 \\ 9 & 0 & 11 \\ 8 & 2 & 4 \end{bmatrix}$$

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66

6) 
$$\begin{bmatrix} 6 & 7 & 2 \\ 3 & 5 & 13 \\ 13 & 10 & 8 \end{bmatrix}$$

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405

## Expand along Row1.

1) 
$$\begin{bmatrix} 4 & 8 & 12 \\ 11 & 2 & 10 \\ 5 & 6 & 9 \end{bmatrix}$$

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112

2) 
$$\begin{bmatrix} 22 & 9 & 15 \\ 16 & 3 & 8 \\ 6 & 9 & 5 \end{bmatrix}$$

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348

3) 
$$\begin{bmatrix} 8 & 2 & 15 \\ 19 & 17 & 3 \\ 4 & 2 & 6 \end{bmatrix}$$

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114

4) 
$$\begin{bmatrix} 16 & 18 & 10 \\ 8 & 7 & 12 \\ 13 & 9 & 17 \end{bmatrix}$$

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346

5) 
$$\begin{bmatrix} 15 & 23 & 8 \\ 19 & 21 & 13 \\ 7 & 6 & 9 \end{bmatrix}$$

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-439

6) 
$$\begin{bmatrix} 24 & 7 & 9 \\ 13 & 14 & 11 \\ 17 & 2 & 1 \end{bmatrix}$$

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-882