

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

Score: \_\_\_\_\_

## Addition and Subtraction of Matrices

Sheet 2

$$\begin{bmatrix} 12 & -15 \\ 34 & 3 \end{bmatrix} - \begin{bmatrix} 18 & 5 \\ 22 & 4 \end{bmatrix} =$$

$$\begin{bmatrix} 3 & 6 & -2 \\ 17 & 32 & 8 \\ -12 & 9 & 5 \end{bmatrix} + \begin{bmatrix} 7 & 1 & 9 \\ 21 & -15 & 2 \\ 8 & 7 & 7 \end{bmatrix} =$$

$$\begin{bmatrix} -17 & 5 \\ 22 & 8 \end{bmatrix} + \begin{bmatrix} 6 & -3 \\ 9 & 14 \end{bmatrix} =$$

$$\begin{bmatrix} 3 & 7 & 9 \\ 1 & 2 & 3 \\ 8 & -4 & 6 \end{bmatrix} - \begin{bmatrix} 11 & -8 & 1 \\ 5 & -2 & 19 \\ 4 & 12 & 3 \end{bmatrix} =$$

$$\begin{bmatrix} 15 & 2 \\ -3 & 8 \end{bmatrix} + \begin{bmatrix} 7 & -3 \\ 5 & 4 \end{bmatrix} =$$

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

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

Score: \_\_\_\_\_

Answer key

Addition and Subtraction of Matrices

Sheet 2

$$\begin{bmatrix} 12 & -15 \\ 34 & 3 \end{bmatrix} - \begin{bmatrix} 18 & 5 \\ 22 & 4 \end{bmatrix} = \begin{bmatrix} -6 & -20 \\ 12 & -1 \end{bmatrix}$$

$$\begin{bmatrix} 3 & 6 & -2 \\ 17 & 32 & 8 \\ -12 & 9 & 5 \end{bmatrix} + \begin{bmatrix} 7 & 1 & 9 \\ 21 & -1 & 7 \\ 8 & 7 & 7 \end{bmatrix} = \begin{bmatrix} 10 & 7 & 7 \end{bmatrix}$$

$$\begin{bmatrix} -17 & 5 \\ 22 & 8 \end{bmatrix} + \begin{bmatrix} 6 & -3 \\ 9 & 14 \end{bmatrix} = \begin{bmatrix} -11 & 2 \\ 31 & 22 \end{bmatrix}$$

$$\begin{bmatrix} 3 & 7 & 9 \\ 1 & 2 & 3 \\ 8 & -4 & 6 \end{bmatrix} - \begin{bmatrix} 11 & -8 & 1 \\ 5 & -2 & 19 \\ 4 & 12 & 3 \end{bmatrix} = \begin{bmatrix} -8 & 15 & 8 \\ -4 & 4 & -16 \\ 4 & -16 & 3 \end{bmatrix}$$

$$\begin{bmatrix} 15 & 2 \\ -3 & 8 \end{bmatrix} + \begin{bmatrix} 7 & -3 \\ 5 & 4 \end{bmatrix} = \begin{bmatrix} 22 & -1 \\ 2 & 12 \end{bmatrix}$$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)