

Student Name: _____

Score: _____

Addition and Subtraction of Matrices

Sheet 7

Let $A = \begin{bmatrix} 3 & -2 & 13 & -8 & 7 \\ 5 & 8 & 1 & 6 & -11 \end{bmatrix}$ and $B = \begin{bmatrix} 8 & 7 & -1 & 21 & 1 \\ -6 & 4 & 2 & 3 & 5 \end{bmatrix}$. Find $A-B$.

Let $A = \begin{bmatrix} 38 & -14 & 1 & -21 \end{bmatrix}$ and

Let $A = \begin{bmatrix} 4 & -7 \\ 6 & 13 \\ 21 & -18 \\ 2 & 5 \\ -11 & 12 \end{bmatrix}$ and $B =$

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Let $A = \begin{bmatrix} 21 & 45 & 3 & 19 & -1 \\ 16 & -33 & 12 & -8 & 6 \end{bmatrix}$ and $B = \begin{bmatrix} 5 & 2 & -18 & 6 & 12 \\ -4 & 13 & -7 & 5 & 6 \end{bmatrix}$. Find $A+B$.

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Answer key

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Sheet 7

$$\begin{bmatrix} -5 & -9 & 14 & -29 & 6 \\ 11 & 4 & -1 & 3 & -16 \end{bmatrix}$$

$$[21 \quad -45 \quad 9 \quad -9]$$

$$\begin{bmatrix} -12 & 28 \\ -12 & 14 \\ 11 & -11 \\ 1 & 2 \\ -2 & 13 \end{bmatrix}$$

$$\begin{bmatrix} 26 & 47 & -15 & 25 & 11 \\ 12 & -20 & 5 & -3 & 12 \end{bmatrix}$$

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