

Student Name: _____

Score: _____

Addition and Subtraction of Matrices

Sheet 6

$$\begin{bmatrix} -6 & 5 & -2 \\ 11 & 1 & 13 \end{bmatrix} + \begin{bmatrix} 26 & 3 & -9 \\ 7 & 18 & -15 \end{bmatrix} =$$

$$\begin{bmatrix} 13 & -8 \\ 12 & 5 \\ 27 & 14 \end{bmatrix} - \begin{bmatrix} 6 & -2 \\ 19 & -1 \\ 17 & 6 \end{bmatrix} =$$

$$\begin{bmatrix} 34 \\ -27 \end{bmatrix} - \begin{bmatrix} 29 \\ -18 \end{bmatrix} =$$

$$\begin{bmatrix} 6 & -4 & 32 \end{bmatrix} - \begin{bmatrix} -19 & 12 \end{bmatrix}$$

$$\begin{bmatrix} 2 \\ -3 \\ 9 \end{bmatrix} + \begin{bmatrix} 13 \\ 12 \\ 6 \end{bmatrix} =$$

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Answer key

Addition and Subtraction of Matrices

Sheet 6

$$\begin{bmatrix} -6 & 5 & -2 \\ 11 & 1 & 13 \end{bmatrix} + \begin{bmatrix} 26 & 3 & -9 \\ 7 & 18 & -15 \end{bmatrix} = \begin{bmatrix} 20 & 8 & -11 \\ 18 & 19 & -2 \end{bmatrix}$$

$$\begin{bmatrix} 13 & -8 \\ 12 & 5 \\ 27 & 14 \end{bmatrix} - \begin{bmatrix} 6 & -2 \\ 19 & -1 \\ 17 & 6 \end{bmatrix} = \begin{bmatrix} 7 & -6 \\ -7 & 6 \\ 10 & 8 \end{bmatrix}$$

$$\begin{bmatrix} 34 \\ -27 \end{bmatrix} - \begin{bmatrix} 29 \\ -18 \end{bmatrix} = \begin{bmatrix} 5 \\ -9 \end{bmatrix}$$

$$\begin{bmatrix} 6 & -4 & 32 \end{bmatrix} - \begin{bmatrix} -19 & 12 \end{bmatrix} = \begin{bmatrix} 25 & -16 & 32 \end{bmatrix}$$

$$\begin{bmatrix} 2 \\ -3 \\ 9 \end{bmatrix} + \begin{bmatrix} 13 \\ 12 \\ 6 \end{bmatrix} = \begin{bmatrix} 15 \\ 9 \\ 15 \end{bmatrix}$$

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