

Student Name: _____

Score: _____

Addition and Subtraction of Matrices

Sheet 4

Let $A = \begin{bmatrix} 17 & 12 & -38 \\ 13 & -15 & 22 \\ 6 & -18 & 4 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 3 & 5 \\ -1 & -8 & 4 \\ 6 & 5 & 10 \end{bmatrix}$. Find $A+B$.

Let $A = \begin{bmatrix} 32 & -17 \\ 5 & 9 \end{bmatrix}$ and $B = \begin{bmatrix} 13 & 16 \end{bmatrix}$

Let $A = \begin{bmatrix} 15 & 36 & 22 \\ 5 & 18 & 12 \\ -8 & 10 & -13 \end{bmatrix}$ and

Let $A = \begin{bmatrix} 9 & 4 & 5 \\ -13 & 8 & 7 \\ 2 & 11 & 5 \end{bmatrix}$ and $E = \begin{bmatrix} 8 & 1 & -10 \end{bmatrix}$

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Answer key

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Sheet 4

$$\begin{bmatrix} 19 & 15 & -33 \\ 12 & -23 & 26 \\ 12 & -13 & 14 \end{bmatrix}$$

$$\begin{bmatrix} 45 & -1 \\ -36 & 12 \end{bmatrix}$$

$$\begin{bmatrix} 8 & 24 & 13 \\ 7 & 9 & 19 \\ -12 & 13 & -14 \end{bmatrix}$$

$$\begin{bmatrix} 5 & 7 & 3 \\ -20 & 3 & 4 \\ -6 & 10 & 15 \end{bmatrix}$$

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