Student Name: _____ **Score:**

Addition of matrices

Sheet 3

Let $A = \begin{bmatrix} 1 & -3 \\ 4 & 9 \end{bmatrix}$ and $B = \begin{bmatrix} 7 & 12 \\ -33 & 15 \end{bmatrix}$. Find A + B

Let $A = \begin{bmatrix} \frac{-1}{2} & -3 & 6 \\ 5 & 9 & 11 \\ 17 & 37 & -13 \end{bmatrix}$ and $B = \begin{bmatrix} \frac{3}{2} & 8 & 7 \\ -2 & 43 & 1 \\ -28 & 4 & 12 \end{bmatrix}$. Find A+B.

Let $A = \begin{bmatrix} 49 & 23 & 9 \\ -11 & -15 & 11 \\ 8 & -3 & 22 \end{bmatrix}$ and $B = \begin{bmatrix} -3 & -12 & 29 \\ 33 & -2 & -11 \\ 2 & 18 & 17 \end{bmatrix}$. Find A+B.

Let $A = \begin{bmatrix} -7 & 3 \\ 12 & -7 \end{bmatrix}$ and $B = \begin{bmatrix} 5 & 4 \\ -8 & 8 \end{bmatrix}$. Find A+B.

Let $A = \begin{bmatrix} 9 & 12 & 0 \\ -11 & 0 & 11 \\ 0 & -3 & -9 \end{bmatrix}$ and $B = \begin{bmatrix} 0 & -12 & 9 \\ -3 & 0 & -11 \\ 11 & 9 & 0 \end{bmatrix}$. Find A+B.

Student Name: _____ **Score:**

Answer key

Addition of matrices

Sheet 3

$$\begin{bmatrix} 8 & 9 \\ -29 & 24 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 5 & 13 \\ 3 & 52 & 12 \\ -11 & 41 & -1 \end{bmatrix}$$

$$\begin{bmatrix} 46 & 11 & 38 \\ 22 & -17 & 0 \\ 10 & 15 & 39 \end{bmatrix}$$

$$\begin{bmatrix} -2 & 7 \\ 4 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 9 & 0 & 9 \\ -14 & 0 & 0 \\ 11 & 6 & -9 \end{bmatrix}$$