

Student Name: _____

Score: _____

Addition of matrices

Sheet 7

Find the sum of matrices:

$$\text{Let } A = \begin{bmatrix} 3 & 6 & -4 & \frac{1}{2} & 7 \\ 13 & 12 & 40 & -1 & 19 \end{bmatrix} \text{ and } B = \begin{bmatrix} 3 & 18 & -7 & \frac{5}{2} & 21 \\ 6 & -5 & -13 & 2 & 4 \end{bmatrix}. \text{ Find } A+B.$$

$$\text{Let } A = [-12 \quad 19 \quad 3 \quad 8] \text{ and } B = [26 \quad 17 \quad 6 \quad -7]. \text{ Find } A+B.$$

$$\text{Let } A = \begin{bmatrix} 32 & 15 \\ 27 & -19 \\ 3 & 26 \\ -45 & 11 \\ 6 & 31 \end{bmatrix} \text{ and } B = \begin{bmatrix} -17 & -5 \\ -9 & 26 \\ 5 & -37 \\ -17 & 12 \\ 32 & -8 \end{bmatrix}. \text{ Find } A+B.$$

$$\text{Let } A = \begin{bmatrix} -6 & 5 & 13 & 7 & 18 \\ -8 & 11 & 26 & 5 & 3 \end{bmatrix} \text{ and } B = \begin{bmatrix} 27 & 31 & 1 & -8 & -5 \\ 4 & -3 & 8 & -5 & 7 \end{bmatrix}. \text{ Find } A+B.$$

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Answer key

Addition of matrices

Sheet 7

$$\begin{bmatrix} 6 & 24 & -11 & 3 & 28 \\ 19 & 7 & 27 & 1 & 23 \end{bmatrix}$$

$$[14 \quad 36 \quad 9 \quad 1]$$

$$\begin{bmatrix} 15 & 10 \\ 18 & 7 \\ 8 & -11 \\ -62 & 23 \\ 38 & 23 \end{bmatrix}$$

$$\begin{bmatrix} 21 & 36 & 14 & -1 & 13 \\ -4 & 8 & 34 & 0 & 10 \end{bmatrix}$$