

Student Name: _____

Score: _____

Subtraction of matrices

Sheet 3

Subtract the following matrices:

$$A = \begin{bmatrix} 1 & -3 \\ 4 & 7 \end{bmatrix} \text{ and } B = \begin{bmatrix} -8 & 6 \\ 5 & 9 \end{bmatrix}. \text{ Find } A-B.$$

$$A = \begin{bmatrix} 7 & 5 & -3 \\ 6 & 12 & -2 \\ 19 & -21 & 13 \end{bmatrix} \text{ and}$$

$$A = \begin{bmatrix} 3 & 5 & 7 \\ 11 & -17 & 8 \\ 12 & -9 & 2 \end{bmatrix} \text{ and}$$

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$$A = \begin{bmatrix} 12 & 5 \\ -8 & 17 \end{bmatrix} \text{ and } B = \begin{bmatrix} 3 & 4 \\ -5 & 6 \end{bmatrix}. \text{ Find } A-B.$$

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Answer key

Subtraction of matrices

Sheet 3

$$\begin{bmatrix} 9 & -9 \\ -1 & -2 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 8 & -15 \\ 13 & -10 & 4 \\ 15 & -10 & 5 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 16 & -10 \\ 18 & -20 & -25 \\ -9 & -24 & -3 \end{bmatrix}$$

$$\begin{bmatrix} 9 & 1 \\ -3 & 11 \end{bmatrix}$$

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