

Student Name: _____

Score: _____

Subtraction of matrices

Sheet 8

Subtract the following matrices:

$$\text{Let } A = \begin{bmatrix} -1 & 6 & 0 & 3 & 8 \\ 11 & 12 & -7 & -3 & 2 \end{bmatrix} \text{ and } B = \begin{bmatrix} 6 & -8 & -11 & 9 & -3 \\ 4 & 6 & -13 & -24 & 2 \end{bmatrix}. \text{ Find } A-B.$$

$$\text{Let } A = [-13 \quad 28 \quad 3 \quad 7] \text{ and}$$

$$\text{Let } A = \begin{bmatrix} 3 & 5 \\ 7 & 2 \\ -1 & 13 \\ 6 & 8 \\ 3 & 11 \\ 14 & 5 \end{bmatrix} \text{ and } B = \begin{bmatrix} \dots \\ \dots \\ \dots \\ \dots \\ \dots \\ \dots \end{bmatrix}$$

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$$\text{Let } A = \begin{bmatrix} 8 & 7 & 6 & -1 & 3 \\ -12 & 18 & 22 & 5 & -4 \end{bmatrix} \text{ and } B = \begin{bmatrix} 13 & -9 & 16 & 12 & 1 \\ 5 & 3 & 7 & 8 & 5 \end{bmatrix}. \text{ Find } A-B.$$

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Answer key

Subtraction of matrices

Sheet 8

$$\begin{bmatrix} -7 & 14 & 11 & -6 & 11 \\ 7 & 6 & 6 & 21 & 0 \end{bmatrix}$$

$$[6 \ 16 \ 2 \ 10]$$

$$\begin{bmatrix} 8 & 7 \\ 7 & 4 \\ 4 & 1 \\ 9 & 4 \\ -4 & 12 \\ 10 & 3 \end{bmatrix}$$

$$\begin{bmatrix} -5 & 16 & -10 & -13 & 2 \\ -17 & 15 & 15 & -3 & -9 \end{bmatrix}$$

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