

Student Name: _____

Score: _____

Subtraction of matrices

Sheet 10

Subtract the following matrices:

$$\begin{bmatrix} -7 & -2 \\ \frac{1}{3} & 4 \\ 3 & 8 \\ 8 & 12 \end{bmatrix} - \begin{bmatrix} 3 & 2 \\ 5 & 7 \\ 9 & -2 \end{bmatrix} - \begin{bmatrix} 17 & 23 \\ -8 & 3 \\ 7 & 34 \end{bmatrix} =$$

$$\begin{bmatrix} 1 & 3 & 7 \\ 6 & 4 & 2 \end{bmatrix} - \begin{bmatrix} 7 & 0 & 2 \\ 1 & 3 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 3 & 5 \\ 7 & 9 & 1 \end{bmatrix} - \begin{bmatrix} 13 & 10 \\ 16 & -7 \end{bmatrix}$$

$$\begin{bmatrix} 12 \\ -23 \\ 47 \end{bmatrix} - \begin{bmatrix} 53 \\ -13 \\ 8 \end{bmatrix} - \begin{bmatrix} -42 \\ -16 \\ 37 \end{bmatrix} =$$

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Answer key

Subtraction of matrices

Sheet 10

$$\begin{bmatrix} -27 & -27 \\ \frac{10}{3} & -6 \\ -8 & -20 \end{bmatrix}$$

$$\begin{bmatrix} -\frac{13}{2} & \frac{12}{5} & -15 \\ -13 & -24 & -14 \end{bmatrix}$$

$$\begin{bmatrix} -9 & -13 & -6 \\ 12 & 11 & -5 \end{bmatrix}$$

$$\begin{bmatrix} 1 \\ 6 \\ 2 \end{bmatrix}$$

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