

Name : _____

Score : _____

Teacher : _____

Date : _____

Matrix Equations

Solve for the given variable.

1) $\begin{bmatrix} 16 & -7 & 17 \end{bmatrix} + 3K = \begin{bmatrix} -2 & -1 & -4 \end{bmatrix}$

2) $\begin{bmatrix} 1 \\ 14 \end{bmatrix} + 4Q = \begin{bmatrix} 5 \\ -6 \end{bmatrix}$

3) $\begin{bmatrix} -34 & -2 \\ 28 & -33 \end{bmatrix} - 5P = \begin{bmatrix} 1 & 3 \\ -2 & -3 \end{bmatrix}$

4) $\begin{bmatrix} -15 & 3 & -2 \\ -13 & -4 & -2 \end{bmatrix} - 3G = \begin{bmatrix} 6 & -6 & 4 \\ -1 & 5 & -5 \end{bmatrix}$

5) $\begin{bmatrix} 5 \\ -18 \\ -25 \end{bmatrix} + 3S = \begin{bmatrix} 2 \\ -6 \\ -7 \end{bmatrix}$

6) $\begin{bmatrix} 13 & -3 \\ 22 & -10 \\ -18 & 24 \end{bmatrix} - 4H = \begin{bmatrix} -3 & -7 \\ -2 & -6 \\ 2 & -4 \end{bmatrix}$

