

Samples Matrix Arithmetic

1. Evaluate: $\begin{pmatrix} -4 & -2 & 4 \\ 5 & 3 & -1 \\ -3 & -3 & -4 \end{pmatrix} - \begin{pmatrix} 4 & 2 & 2 \\ -5 & -4 & -1 \\ 1 & 4 & -2 \end{pmatrix}$

2. Evaluate: $\begin{pmatrix} 1 & 6 & -1 \end{pmatrix} - \begin{pmatrix} -6 \\ -2 \\ 5 \end{pmatrix}$

3. Evaluate: $\begin{pmatrix} -3 \\ 5 \\ -6 \end{pmatrix} - \begin{pmatrix} 0 \\ 6 \\ -3 \end{pmatrix}$