

Linear Combinations:

We can write $\begin{pmatrix} -13 \\ 3 \\ 4 \end{pmatrix}$ as a linear combination of $\begin{pmatrix} 3 \\ 1 \\ 0 \end{pmatrix}$ and $\begin{pmatrix} -5 \\ 2 \\ 2 \end{pmatrix}$:
