
Exercise 1 Express $\begin{bmatrix} 127 \\ -26 \end{bmatrix}$ as a linear combination of $\begin{bmatrix} 101 \\ 50 \end{bmatrix}$ and $\begin{bmatrix} 25 \\ 42 \end{bmatrix}$.

$$\dots\dots \begin{bmatrix} 101 \\ 50 \end{bmatrix} + \dots\dots \begin{bmatrix} 25 \\ 42 \end{bmatrix} = \begin{bmatrix} 127 \\ -26 \end{bmatrix}$$