EXAMPLE: Let $\mathbf{v}_1 = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$ and $\mathbf{v}_2 = \begin{bmatrix} -2 \\ 2 \end{bmatrix}$. Express

each of the following as a linear combination of \mathbf{v}_1 and \mathbf{v}_2 :

$$\mathbf{a} = \begin{bmatrix} 0 \\ 3 \end{bmatrix}, \mathbf{b} = \begin{bmatrix} -4 \\ 1 \end{bmatrix}, \mathbf{c} = \begin{bmatrix} 6 \\ 6 \end{bmatrix}, \mathbf{d} = \begin{bmatrix} 7 \\ -4 \end{bmatrix}$$

