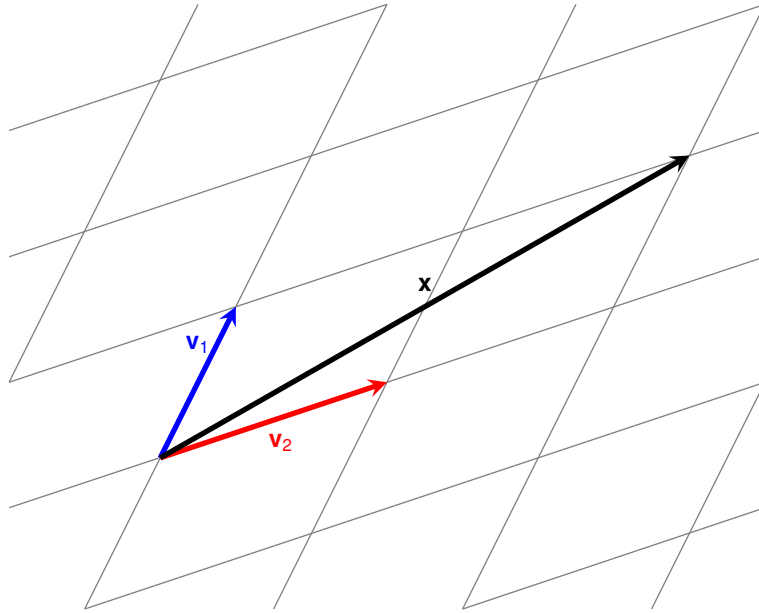

Exercise 1 Let $\mathcal{B} = \{\mathbf{v}_1, \mathbf{v}_2\}$ be a basis for the plane depicted below. Find the coordinate vector for $\mathbf{x}$ with respect to $\mathcal{B}$.



$$\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$$