In the problem 1c) of the coursework in the question: find an orthonormal basis $\{\mathbf{e}, \mathbf{f}\}$ such that $\mathbf{e} = \mathbf{x}$ and vector $\mathbf{f}$ has an obtuse angle with vector $\mathbf{y}$ you have to express a vector $\mathbf{f}$ as a linear combination of vectors $\mathbf{x}$ and $\mathbf{y}$.