



$$\mathbf{x}_1 = \begin{bmatrix} 0 & 0 \end{bmatrix}$$

$$\mathbf{x}_2 = \begin{bmatrix} 1 & 0 \end{bmatrix}$$

$$\mathbf{x}_3 = \begin{bmatrix} 0 & 1 \end{bmatrix}$$