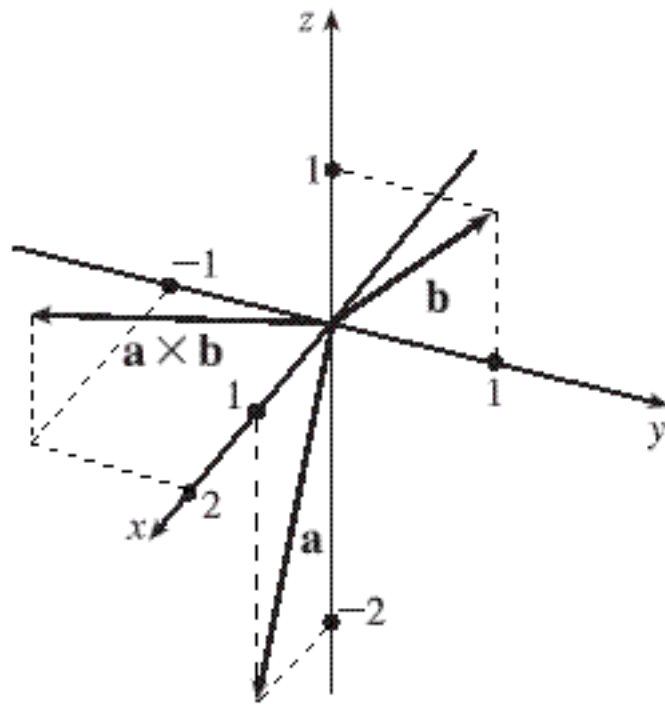


$$\begin{aligned}
 \mathbf{a} \times \mathbf{b} &= \begin{vmatrix} \mathbf{i} & \mathbf{j} & \mathbf{k} \\ 1 & 0 & -7 \\ 0 & 1 & 1 \end{vmatrix} \\
 &= \begin{vmatrix} 0 & -7 \\ 1 & 1 \end{vmatrix} \mathbf{i} - \begin{vmatrix} 1 & -7 \\ 0 & 1 \end{vmatrix} \mathbf{j} + \begin{vmatrix} 1 & 0 \\ 0 & 1 \end{vmatrix} \mathbf{k} \\
 &= 7\mathbf{i} - \mathbf{j} + \mathbf{k}
 \end{aligned}$$



$$x = 7$$