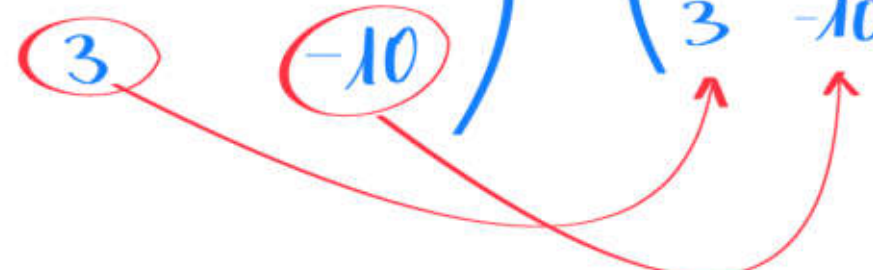


$$\begin{matrix} \mathbf{A} & & \mathbf{B} & & \mathbf{C} \\ \begin{pmatrix} x & 1-x \\ 3 & -1 \end{pmatrix} & \cdot & \begin{pmatrix} 2 & -3 \\ 3 & 1 \end{pmatrix} & = & \begin{pmatrix} 1 & -7 \\ 3 & -10 \end{pmatrix} \end{matrix}$$

$$\begin{matrix} \mathbf{A \cdot B} & & \mathbf{C} \\ \begin{pmatrix} 2x+3(1-x) & -3x+1-x \\ 6-3 & -9-1 \end{pmatrix} & = & \begin{pmatrix} 1 & -7 \\ 3 & -10 \end{pmatrix} \end{matrix}$$

$$\begin{pmatrix} -x+3 & -4x+1 \\ \textcircled{3} & \textcircled{-10} \end{pmatrix} = \begin{pmatrix} 1 & -7 \\ 3 & -10 \end{pmatrix}$$


$$-x+3=1 \Rightarrow x=2$$

$$-4x+1=-7 \Rightarrow x=2$$

$$\text{Si } x=2 \Rightarrow \mathbf{A \cdot B = C}$$