$$\begin{pmatrix} x \rightarrow 70 \\ y = -20 \end{pmatrix}$$

$$H_{X70} = \begin{bmatrix} 1 & 0 & 0 & 10.1 \\ 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 6 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$H_{270} = \begin{bmatrix} 1 & 0 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 7 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 \end{bmatrix}$$

$$H_{270} = \begin{bmatrix} 7 & 0 & 0 & 1 & 0 \\ 0 & 7 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 & 0 \end{bmatrix}$$

$$H = \begin{bmatrix} c \cdot 90 & -50 & 90 & 0 & 0 \\ 50 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 0 & -1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

new 
$$p = H.po = \begin{bmatrix} 0 \\ 5 \\ 6.35 \end{bmatrix} \Rightarrow (0,5,6.35)$$

Second answer