CPSC 314 Worksheet 2 Composition of Transformation Matrices
Given the following transformation matrix:

$$
M_{\text {model }}=\left[\begin{array}{cccc}
1 & -1 & 0 & 1 \\
1 & 1 & 0 & -2 \\
0 & 0 & 1 & 0 \\
0 & 0 & 0 & 1
\end{array}\right] \quad \text { where } \quad P_{\text {was }}=M_{\text {model }} P_{\text {obj }}
$$

(a) Sketch the origin and basis vectors of $F$ _obj.
(b) Draw the transformed house, which is drawn below in its untransformed sta
(c) Give a sequence of translate(), rotate(), and scale() transformations that would yield the same final transformation.


