

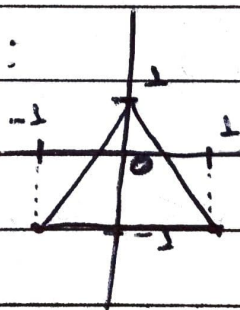
1) a) $M_1: \begin{bmatrix} 2.0 & 0.0 \\ 0.0 & 1.0 \end{bmatrix} \cdot \begin{bmatrix} -1 & -1 \\ 0 & 1 \\ 1 & -1 \end{bmatrix} = \begin{bmatrix} -2 & -1 \\ 0 & 1 \\ 2 & -1 \end{bmatrix}$

b) $M_2: \begin{bmatrix} 0.5 & 0.0 \\ 0.0 & 1.0 \end{bmatrix} \cdot \begin{bmatrix} -1 & -1 \\ 0 & 1 \\ 1 & -1 \end{bmatrix} = \begin{bmatrix} -0.5 & -1 \\ 0 & 1 \\ 0.5 & -1 \end{bmatrix}$

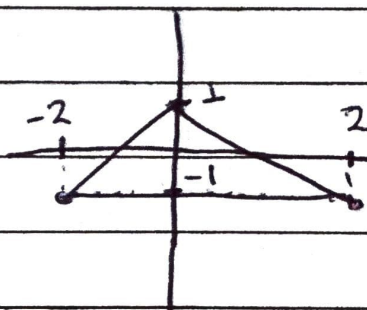
c) $M_3: \begin{bmatrix} 0.5 & 0.0 \\ 0.0 & 0.5 \end{bmatrix} \cdot \begin{bmatrix} -1 & -1 \\ 0 & 1 \\ 1 & -1 \end{bmatrix} = \begin{bmatrix} -0.5 & -0.5 \\ 0 & 0.5 \\ 0.5 & -0.5 \end{bmatrix}$

Desenhos:

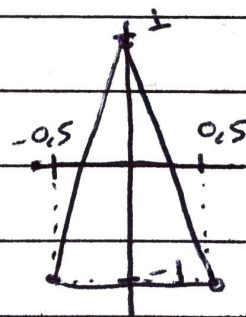
Normal:



a)



b)



c)

