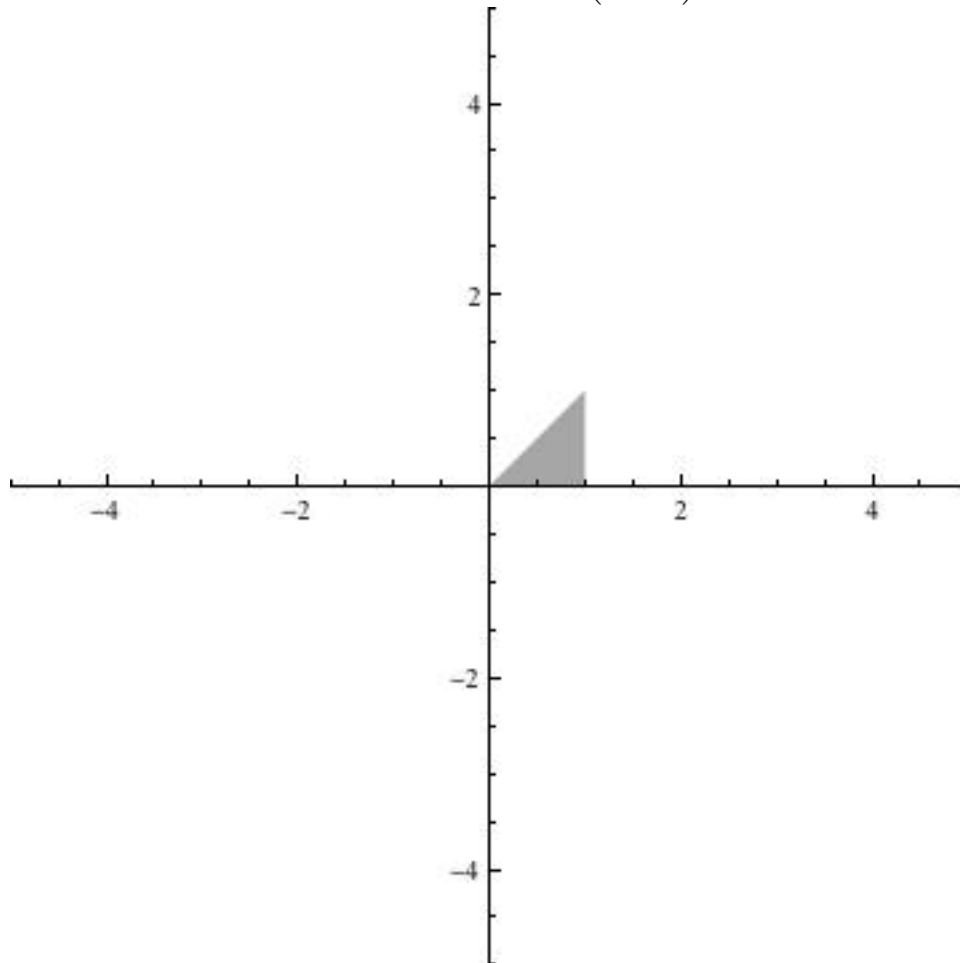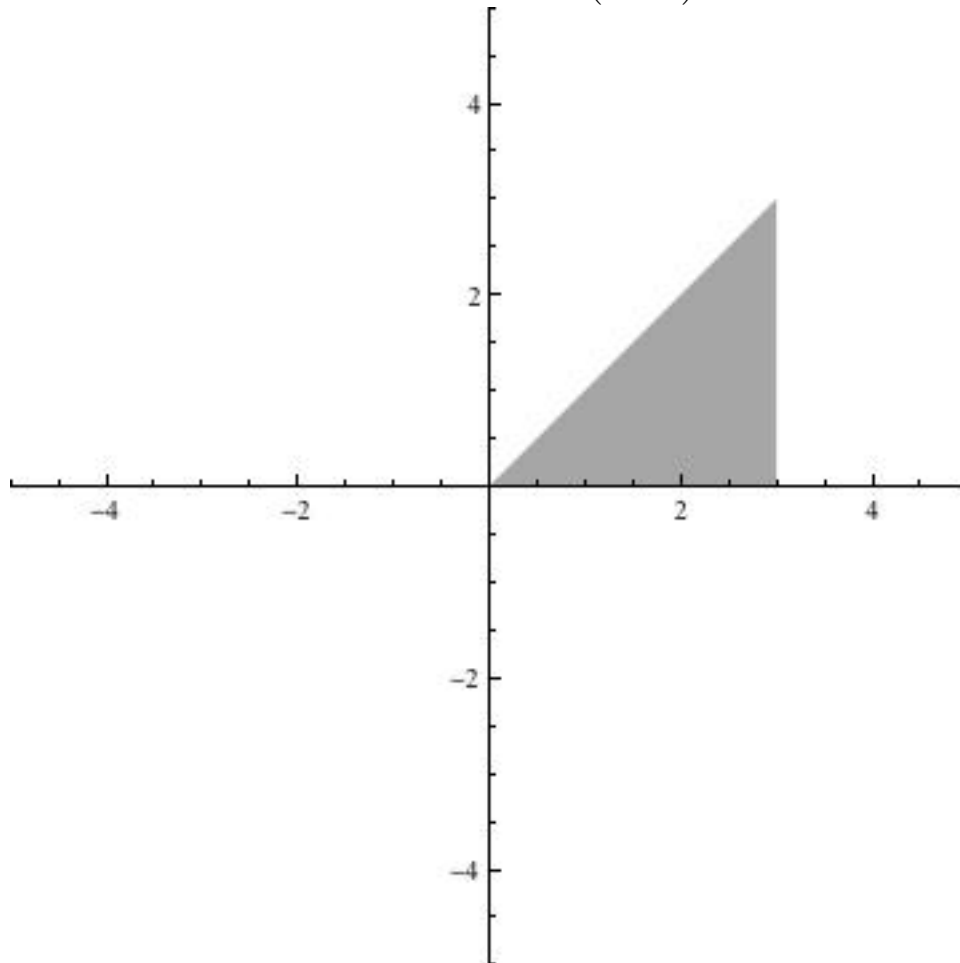If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$

If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 3 & 0 \\ 0 & 3 \end{pmatrix}$
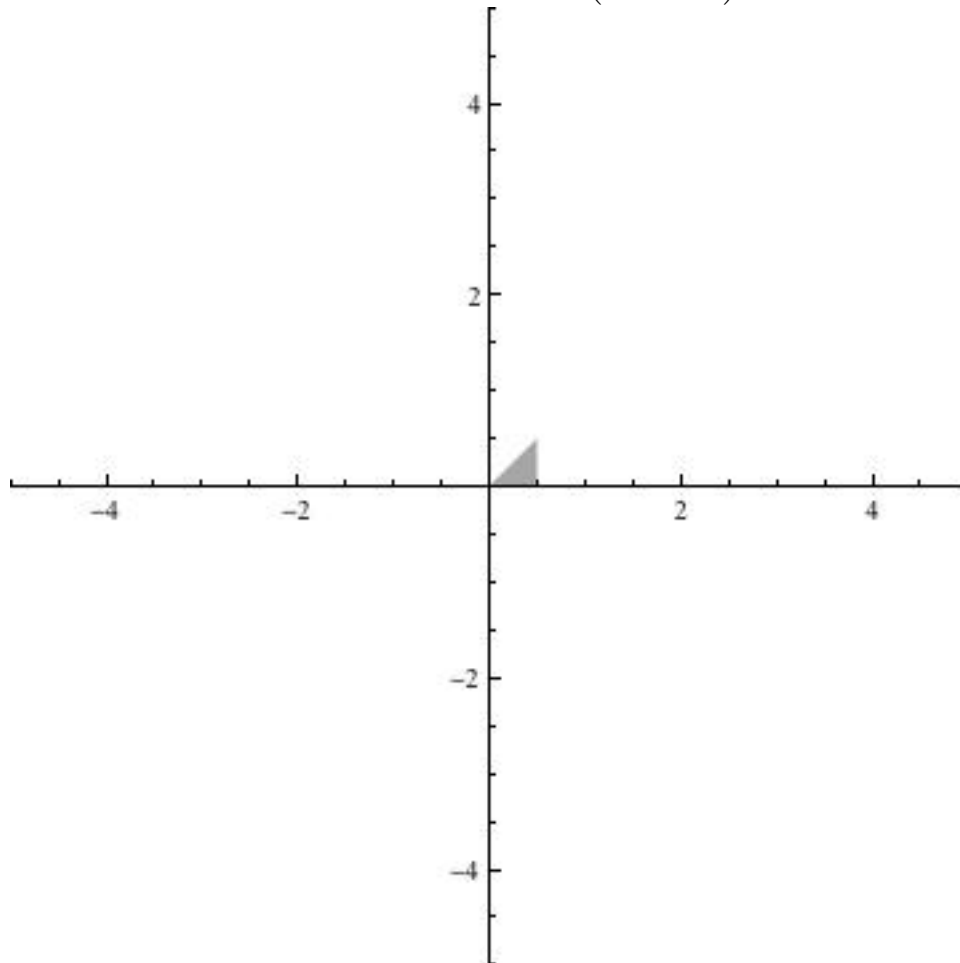
If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 0.5 & 0 \\ 0 & 0.5 \end{pmatrix}$
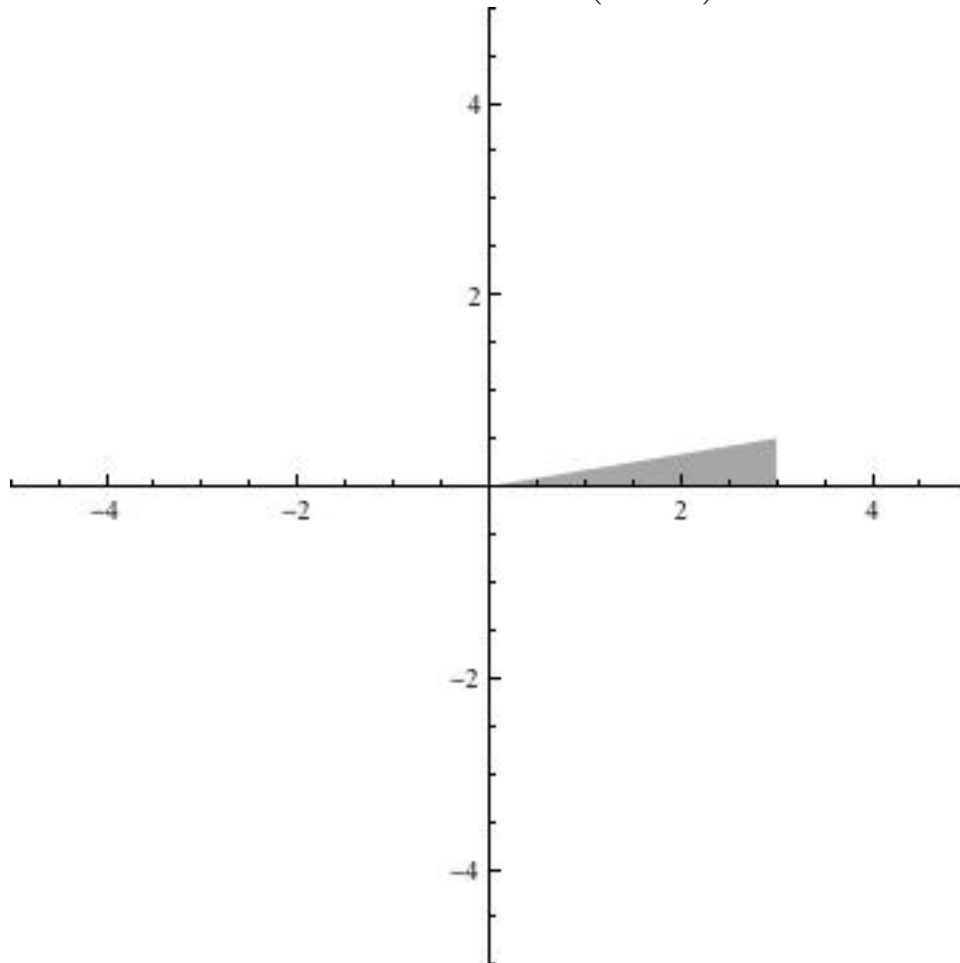
If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 3 & 0 \\ 0 & 0.5 \end{pmatrix}$
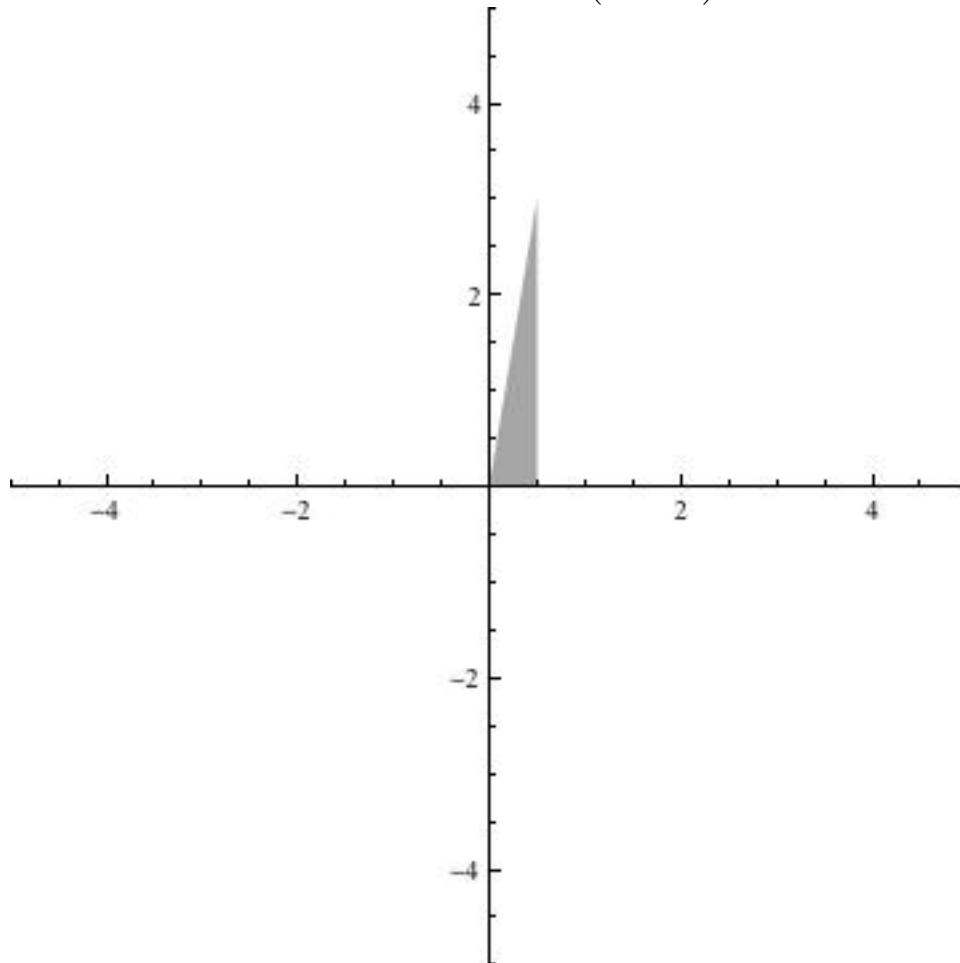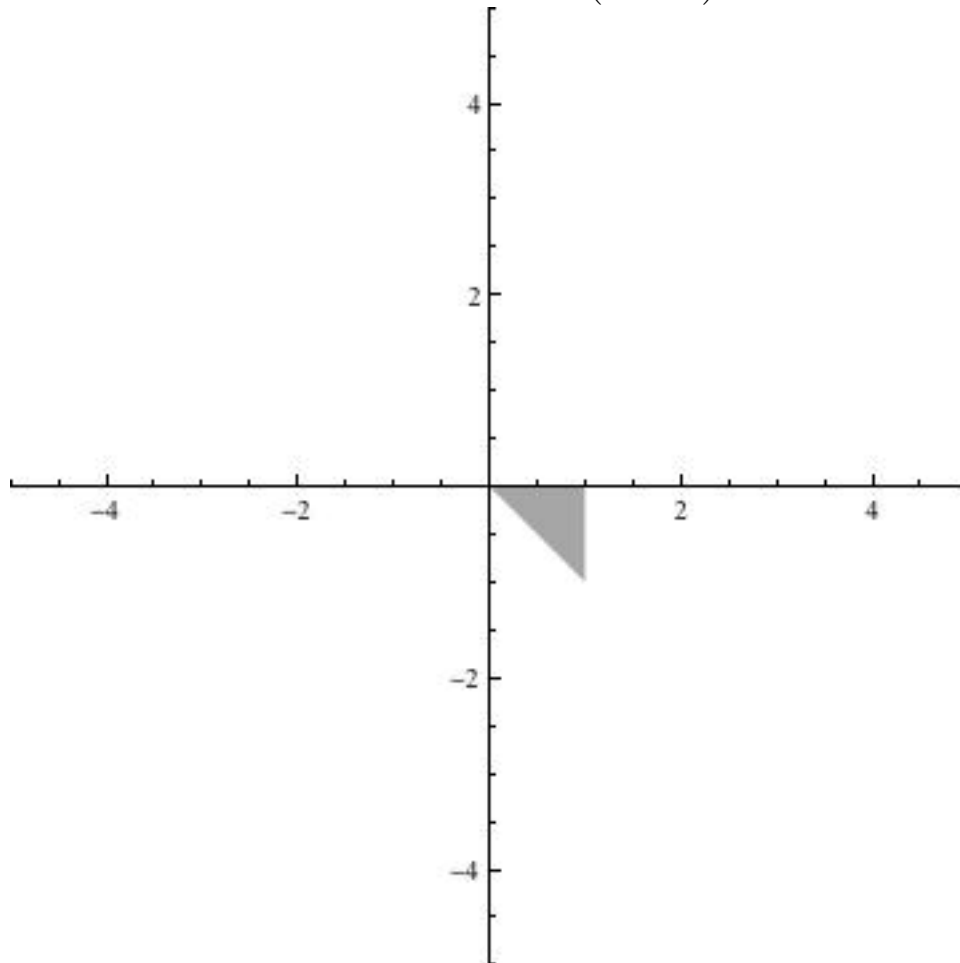
If we consider a triangle with vertices $(0,0), (1,0)$, and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 0.5 & 0 \\ 0 & 3 \end{pmatrix}$

If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$
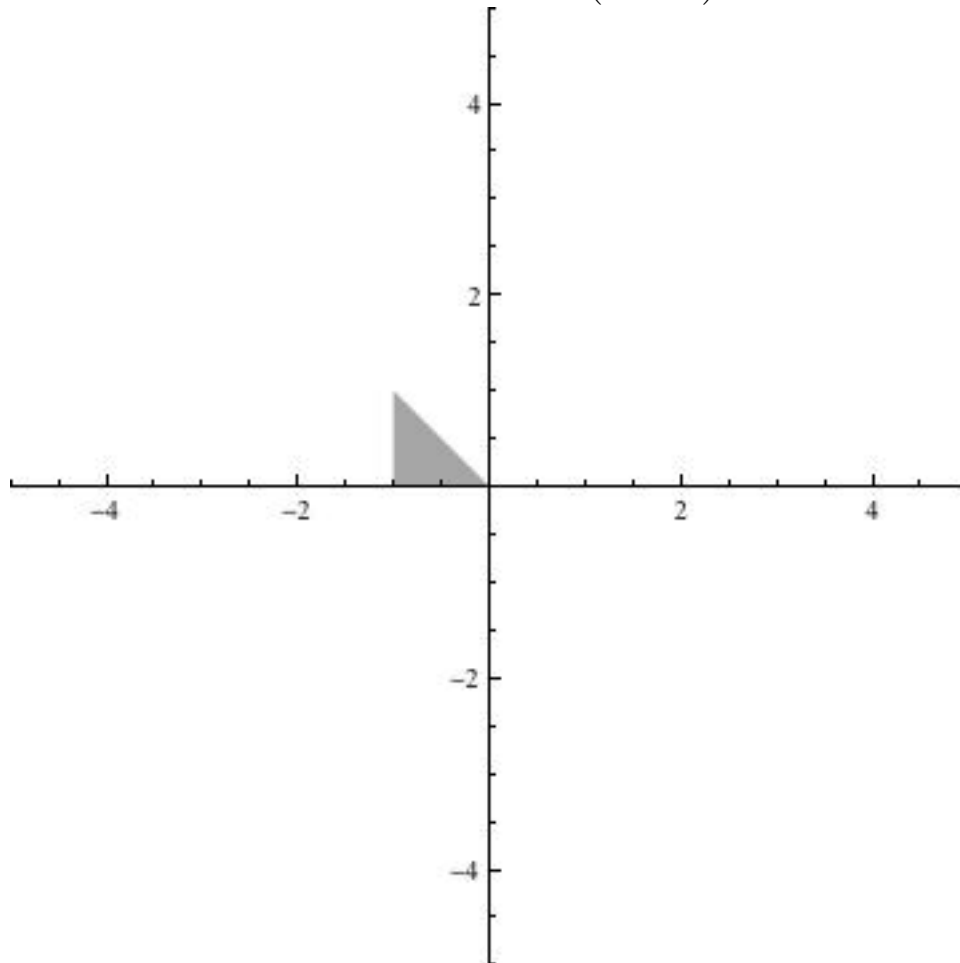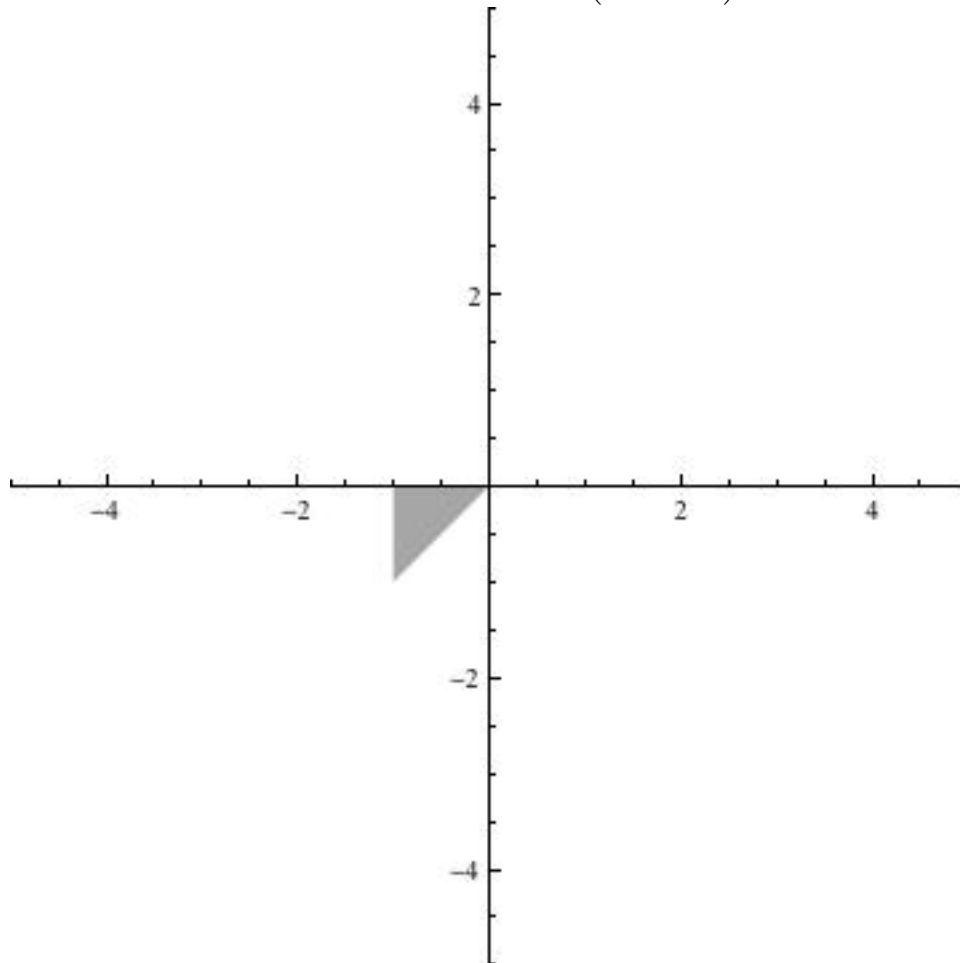
If we consider a triangle with vertices $(0,0), (1,0)$, and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix}$
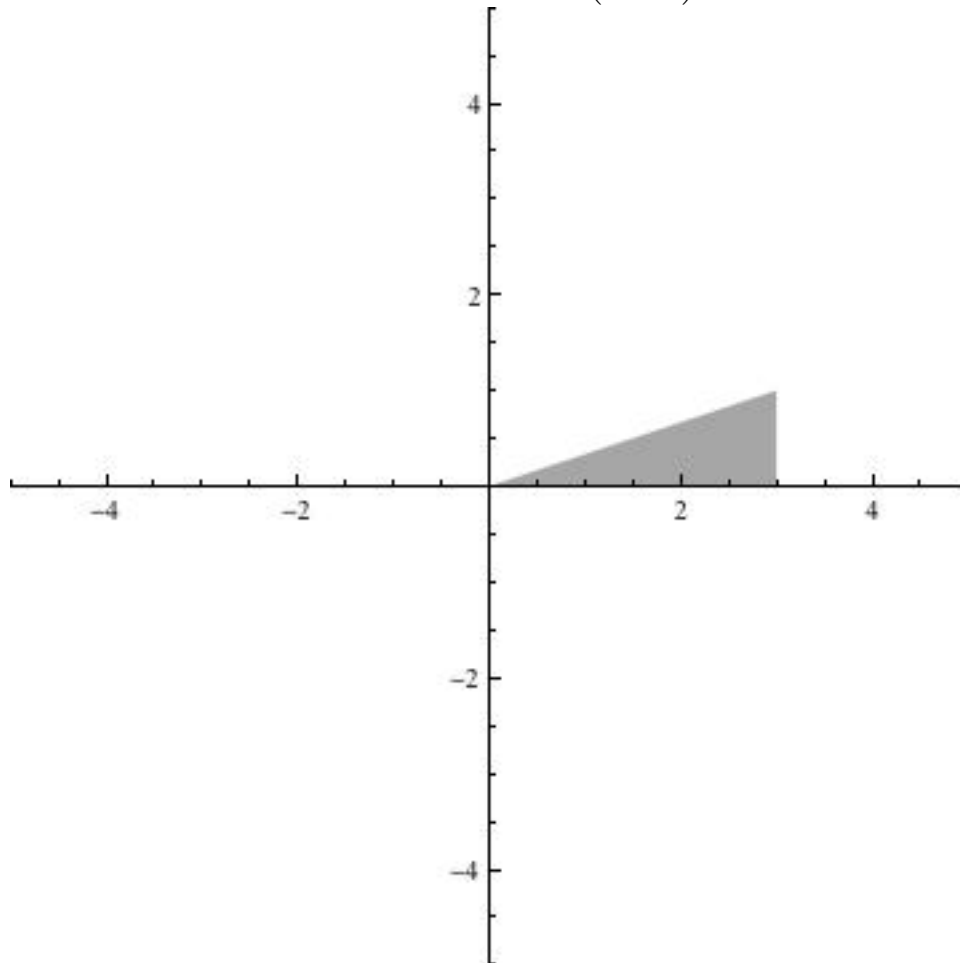
If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}$

If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 3 & 0 \\ 0 & 1 \end{pmatrix}$
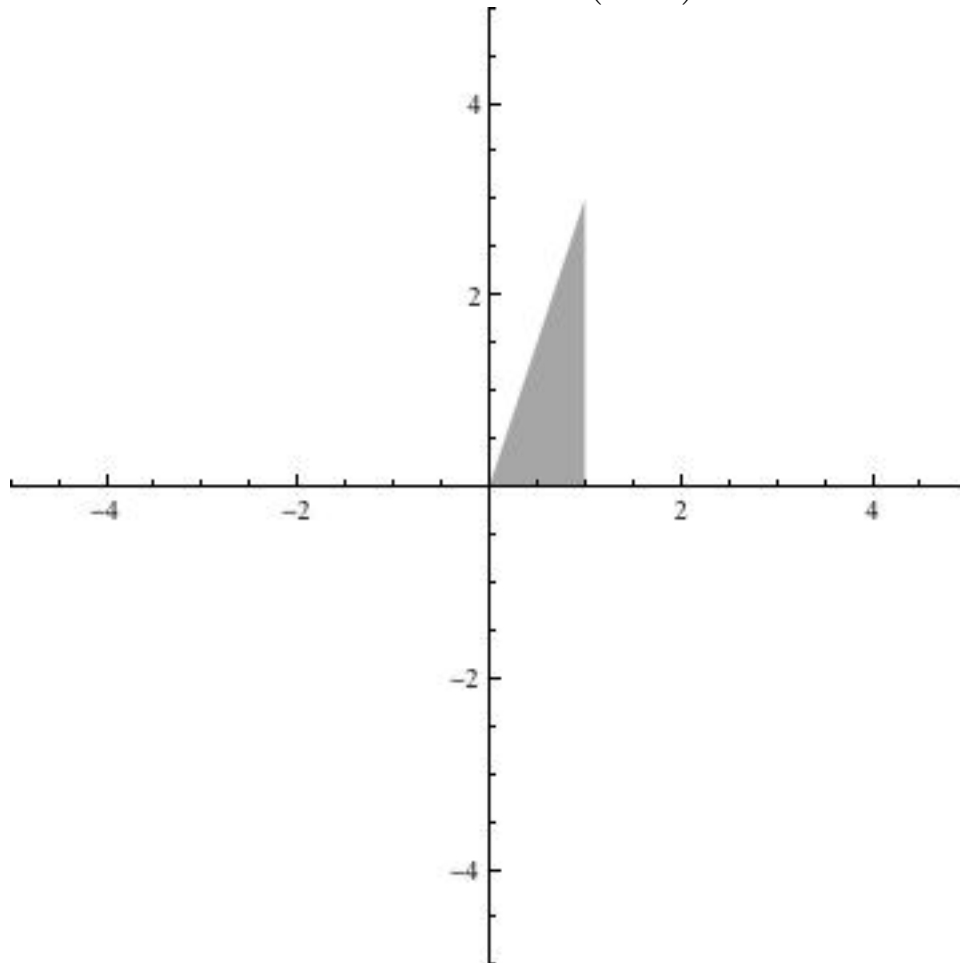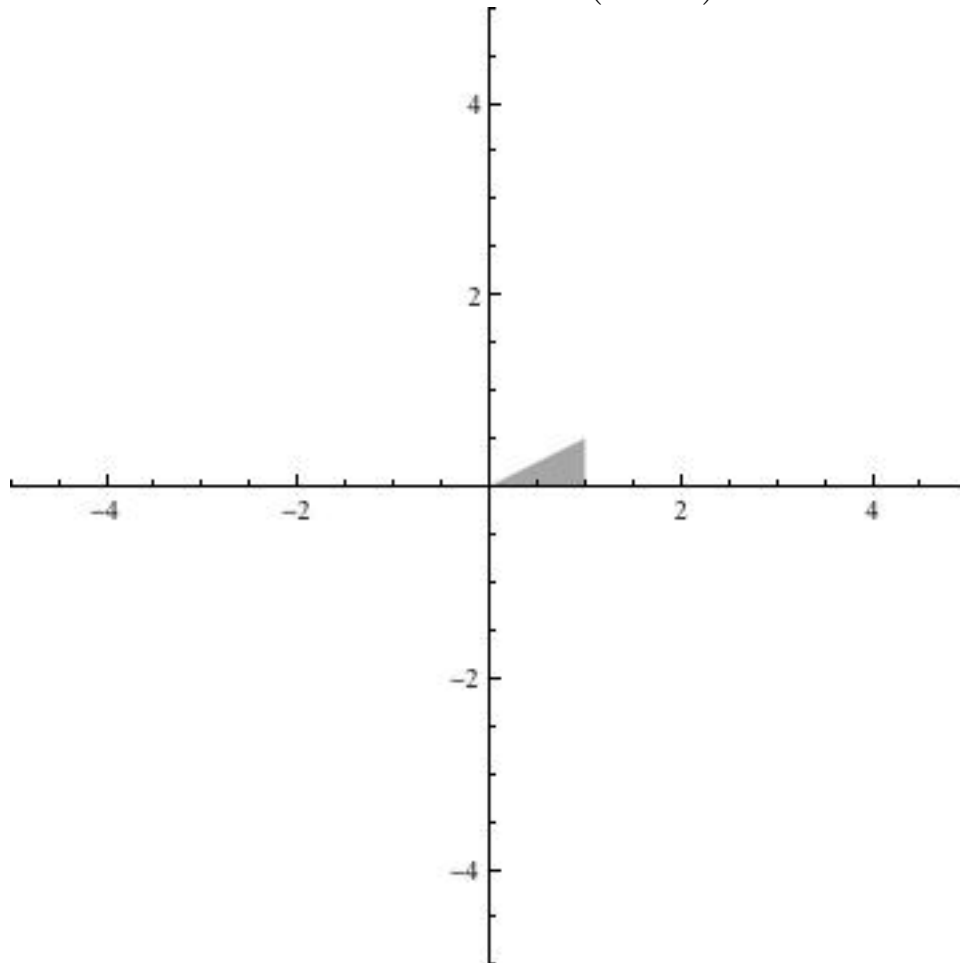
If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 1 & 0 \\ 0 & 3 \end{pmatrix}$

If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 1 & 0 \\ 0 & .05 \end{pmatrix}$
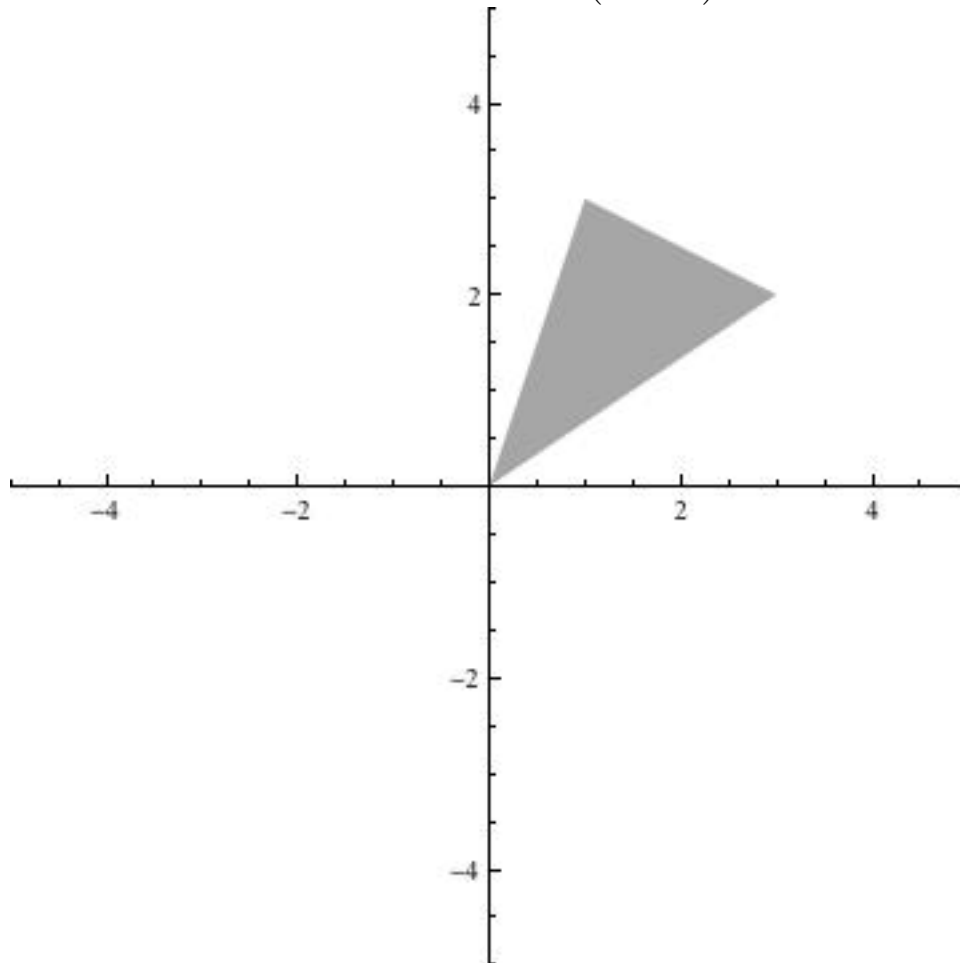
If we consider a triangle with vertices $(0,0), (1,0)$, and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 1 & 2 \\ 3 & -1 \end{pmatrix}$
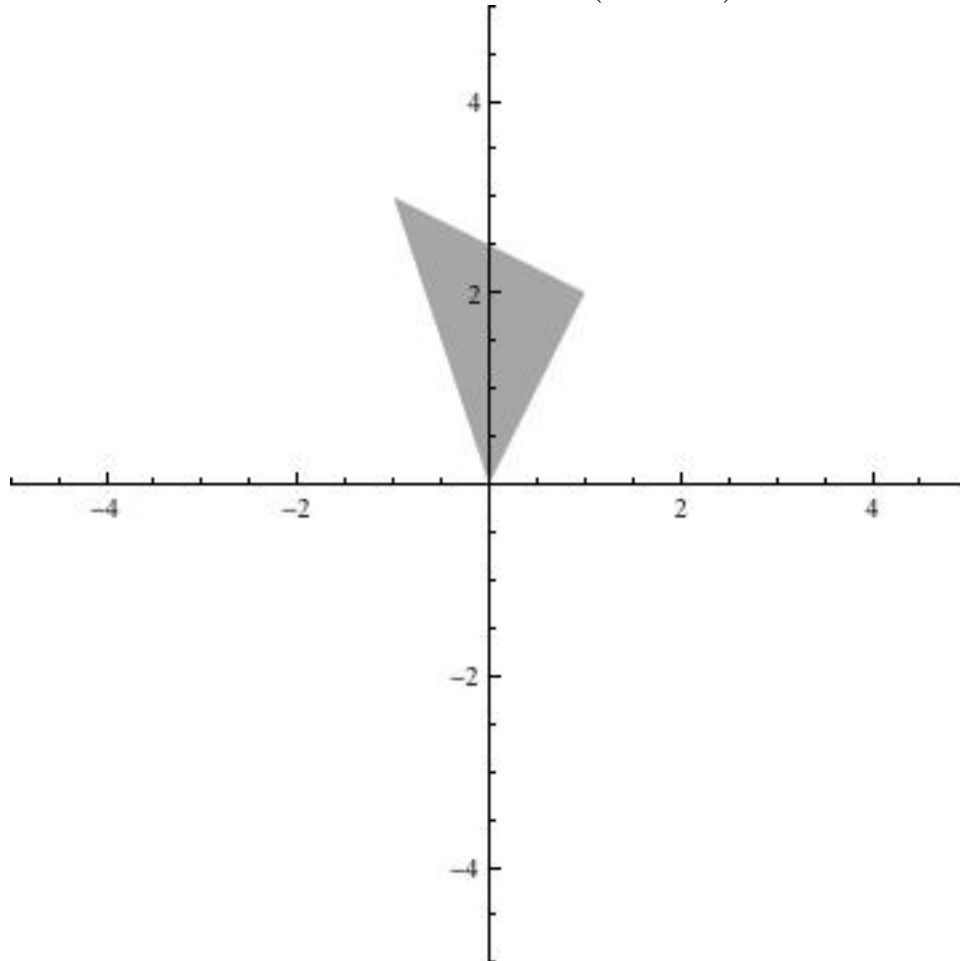
If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} -1 & 2 \\ 3 & -1 \end{pmatrix}$

If we consider a triangle with vertices $(0,0), (1,0),$ and $(1,1)$, we draw the image of the transformed triangle for the matrix $\begin{pmatrix} 3 & 2 \\ -3 & 1 \end{pmatrix}$