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 \[
\begin{pmatrix}
3 & 2 \\
-3 & 1
\end{pmatrix}
\]