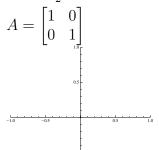
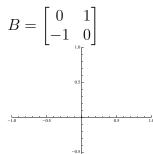
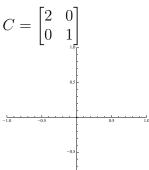
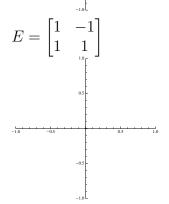
Apply the following linear transformation T for T=A,B,C,D,E,F to the base vectors  $e_1=\begin{bmatrix}1\\0\end{bmatrix}$  and  $e_2=\begin{bmatrix}0\\1\end{bmatrix}$  and draw the resulting  $Te_1$  and  $Te_2$  for each of the given Ts.

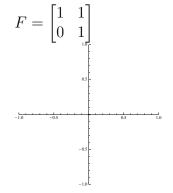






$$D = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$$





When we apply some of these linear transformations to Gauss's picture we get the following images. Determine which linear transformation was applied in each case.



