Linear transformations with Matrices lesson 4 - Finding the transformation matrix

Magic Monk Tutorials

1 **Find the transformation matrix associated with reflection on the x axis.**

2 **Find the transformation matrix associated with the following mapping of points.**

$(1,1) \mapsto (2,1)$
$(-1,2) \mapsto (1,2)$

3 **Sketch the function $y = 2x$ after it has been transformed by the transformation matrix $T = \begin{pmatrix} 1 & 0 \\ 1 & 1 \end{pmatrix}$ on the x-y plane.**