## Vectors 13

## Transformations

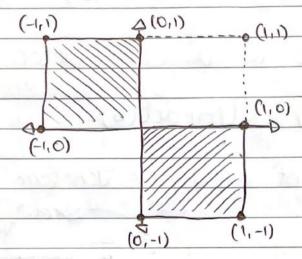
20 Transformations

transformations on shapes on be represented

by AX = B at collection

a collection of vectors

of vectors



$$X$$
 consider  $A\alpha = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$   $A\alpha X = \begin{pmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & -1 & -1 \end{pmatrix}$ 

reflection in ox axis (y2-D-y)

reflexibility axis (200-0-20)

Basis vectors on be used to find a transformation matrix.

