Linear transformation
Hakes an input an deate an output of it
input væter podput vector movingover (Punction)
* Squishing space or you can transform
each dot in space to another dot
orbetrary transformation
Without curve
2) origin must fix in place
Grid lines remain parallel and evenly spaced
Retation around origin is one kind of linear transformation

the transformation of vector is produced by

a coefficient of transformation of its

basis vector

transfamed v = a (transformed i) + b (vj)

is landed only by knowing transformation

* rotate all space 90° dodewise:

if we want what happens to a vector after 90° clockwise rotation we only need

to only multiply it by these matrixes:



