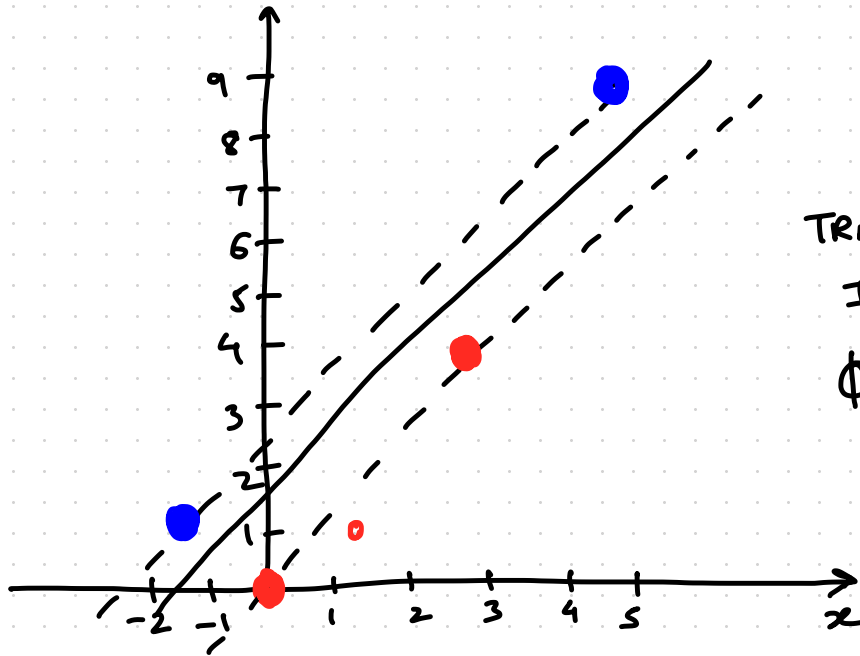


ORIGINAL DATA
IN \mathbb{R}



TRANSFORMED DATA
IN \mathbb{R}^2

$$\phi(x) = \begin{bmatrix} \sqrt{2}x \\ x^2 \end{bmatrix}$$