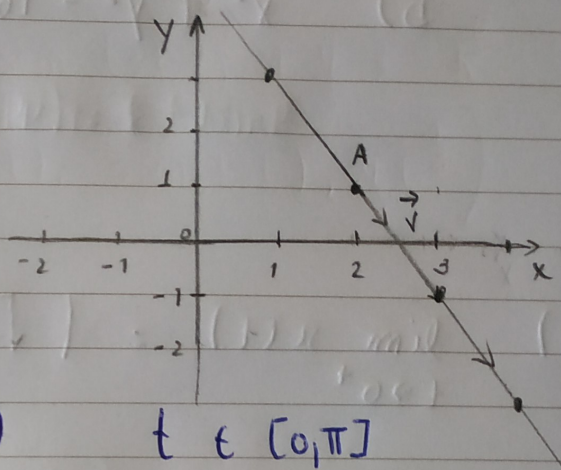


## Ficha de trabalho 4

1) a)  $r(t) = (2+t, 1-2t) \quad t \in \mathbb{R}$

Ponto =  $(2, 1) = A$

vetor  $(1, -2) = \vec{v}$

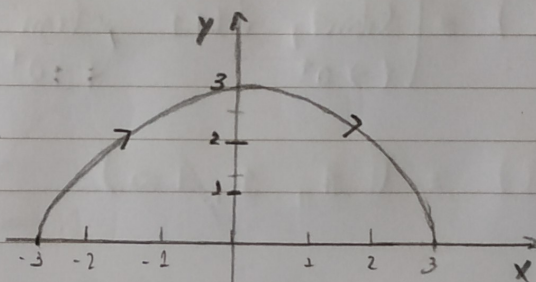


b)  $r(t) = (3 \sin t, 3 \cos t) \quad t \in [0, \pi]$

centro =  $(0, 0)$

raio = 3.

parte superior de uma  
circunferência

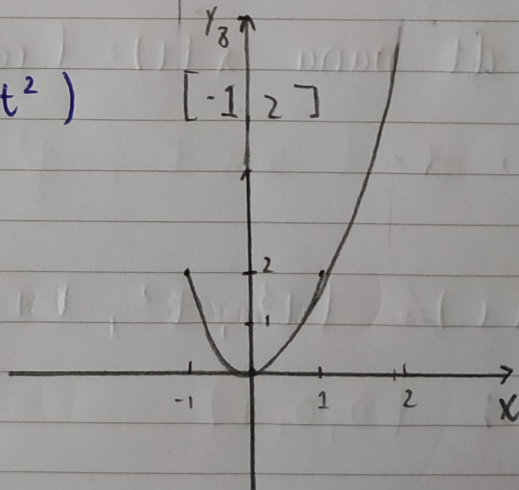


c)  $r(t) = (t, 2t^2)$

$[-1, 2]$

$x = t$

$y = 2t^2$



d)  $r(t) = (2 \cos t, \sin t) \quad t \in [0, 2\pi]$

elipse da equação  $\frac{x^2}{4} + y^2 = 1$

