$x = \sqrt{t}, \quad y = 1 - t$

(a)

t	0	1	2	3	4
x	0	1	1.414	1.732	2
y	1	0	-1	-2	-3

(b) $x = \sqrt{t} \quad \Rightarrow \quad t = x^2 \quad \Rightarrow \quad y = 1 - t = 1 - x^2$. Since $t \geq 0$, $x \geq 0$. So the curve is the right half of the parabola $y = 1 - x^2$