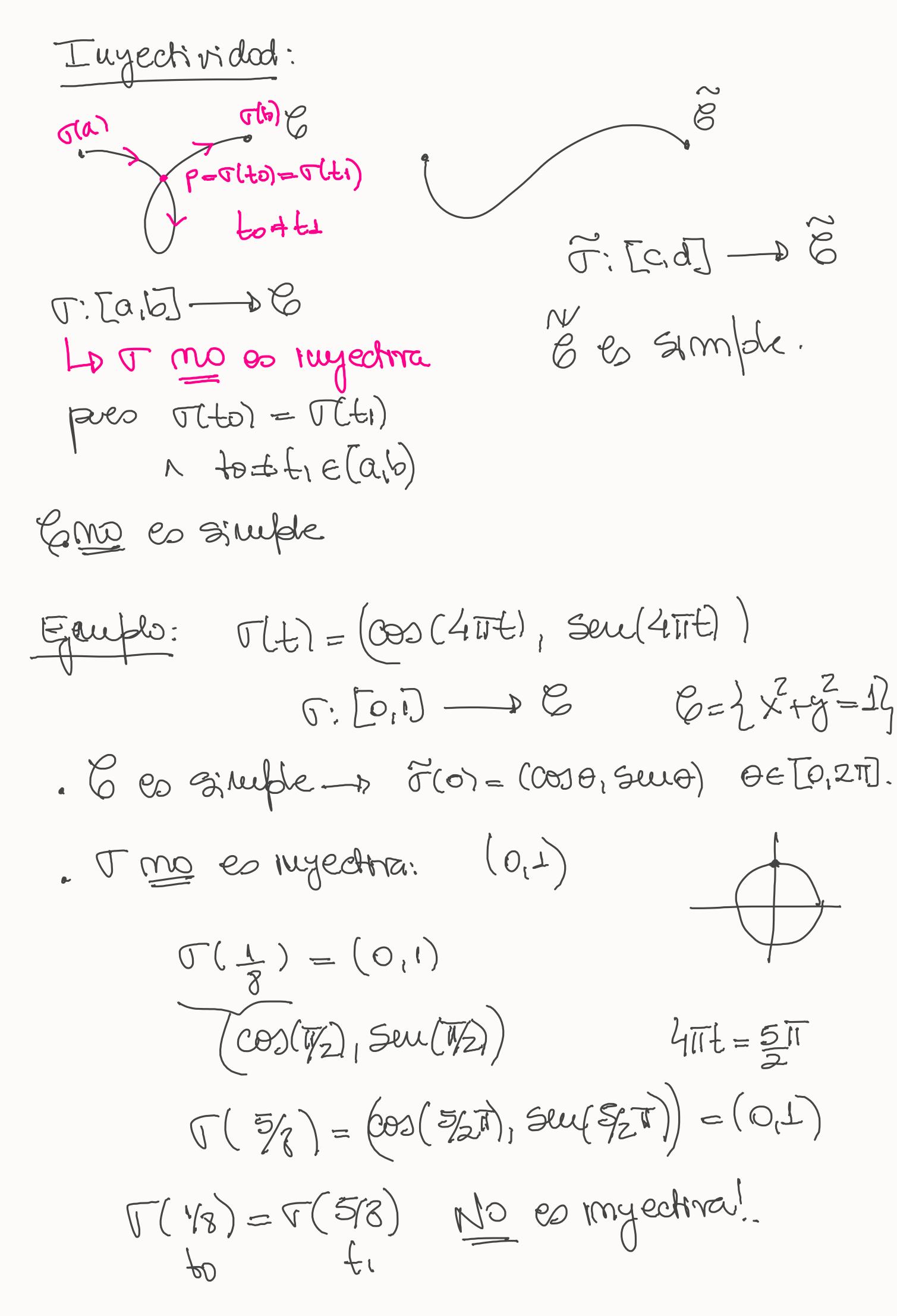
$$5 = \frac{1}{2}(2a_1b_1t): \quad \chi^2 + y^2 - z^2 = 1 \quad 124 \le 1\frac{1}{4}$$
 $T(2a_1v) = (cos(2a_1)\sqrt{2^2}a_1, sullay \sqrt{2^2}a_1, sul$ 



JF.ds & JFds & JPdx + Qdy + Rdz F=(P,Q,R)  $T: [a,b] \longrightarrow \mathcal{E} \text{ param.} \quad T(t) = (x(t),y(t),z(t))$   $\int F(s) = \int \langle F(\sigma(t)), \sigma'(t) \rangle dt.$ = P(x14), y(4), 2(4). x'(4)+ Q(x(4), b(4), Z(4)) y(4) + R(x(th, y(t), Z(t)) Z(t) dt. O C R TR T: [a,6] - A R 203 Curra Iwlo) = 6. Tes paraundi & Si Ejemplo: 8=2(x,y)e12:19=x, xelo,13 TH= (t,t2) LE [O,T] 979 Tes partueu. du B. Im(T) = 6 (c) si te [o,i], (t,tz) e I m(o) i (titz) e 6? esta en 6 At y=t  $\sqrt{y} = x$   $\sqrt{y} \in [0, 1]$  Corwo tzy  $\in [0, 1]$ 

$$|y = (t^{2} - tt) = t = x \rightarrow (y = x \rightarrow (t_{1}t^{2}) \in \mathcal{E}).$$

$$|t = (t_{1}t^{2})| + (t_{1}t^{2}) = (x_{1}t^{2})$$

$$|t = (x_{1}t^{2})| + (x_{1}t$$