Lista 1 - Alune: Guiller D. leal D A= (-1,3) B= (6,-1) $d(P,Q) = \sqrt{(x_2-x_1)^2 + (y_2-y_1)^2}$ $d(P,Q) = \sqrt{(6-(-1))^2 + (-1-3)^2}$ $d(P,Q) = \sqrt{49+16} = \sqrt{65} = 8.0622$ (2) M = (xP + Xq / YP + Yq) = (-1+6 / 3-1) $M = \left(\frac{5}{2}, \frac{1}{2}\right)$ M = (2.5, 1)) M= yq-yp = 3+1 = 9 = -0,5+1,, Xq-xp -1-6 -+ (4) m=1-01541 n= -0,511,-1+m V= mx+N) m= 2,429 11 y= +0,91 x+0,93 m = -0, 5+1 9-40= m(x-Xb) y - 3 = -4(X+1)9-7=-4×1-4 1x-4+3-4=0 4x+17-9=0

6 79-9x+1 W= 2x+1 m=2 t00= 1=0,51, tgo= d(P, n) = = 1-18-1-1 d(P, 17) = 27 11 4x-9-1-16=0=>4x-16=9+1=>4(x-4)=1(9+1)=> (y=4t-1, 41=4t

$$\begin{array}{c}
\boxed{11} \left\{ \begin{array}{c}
X = -\lambda + t \\
Y = \lambda - t \\
\end{array} \right.$$

$$29=4-x+2$$

- $x-29+6=01$

(12)

$$(x-a)^2 + (y-b)^2 = 3^2$$

 $(x-1)^2 + (y+1)^2 = 9$

 $x_3 + \lambda_3 - 9x + 5\lambda - 4 = 01$ $x_3 + \lambda_3 - 9x - 3x - 3x - 4 = 01$ $x_3 + \lambda_3 - 9x - 3x - 3x - 4 = 0$ $x_3 + \lambda_3 - 3x - 3x - 3x - 3x + 2x + 2x - 3x = 0$