5) 6 xx+1 1'(x) = 20 = 2 1'(x) = 20 = x+1 8(x)=2x+1 4 = 2x +1 m, = Em y(1) = 2 m' = 64 1) Cos2x + Cos (2x) 11 = 2x (g(x) = 2x 4' = 0000 4 (g(x) = 2: 11 = Con x | g'(x) = Conx 11 = 12 | g'(x) = - Senx) 41 = - Sen4 u'z a u (2 u . - Senx) + (-Sen 11 + (- Sen 4 . 2) I'cx = - 2 y Senx - 2 Senu 11(x) = -2 (cos x Sen x + Sen (2x))/ S) In (x2-6x+8) f'(4: 1 2x-6 4= (x2-6x +8) m= x2-6x+8 y'=2x-6 u'= ln 4 14): # 2- a) a(x)=(T-5, T+3) X+5= 1-3 X=7-5 - X+5=7 Y = X+5+3 → Y= Y= T+3 - Y-3= T $\propto (1,9)$ X=1, Y: 1+8 a (3,11) X = 3, Y = 3+8

b)
$$e_{13} = (1-2, 1^{2})$$
 $X = 7-2 \rightarrow x_{1} = 7$
 $Y = 1^{2} \rightarrow \sqrt{y} = 7$
 $X + 2 = \sqrt{y}$
 $Y = 1^{2} \rightarrow \sqrt{y} = 7$
 $X + 2 = \sqrt{y}$
 $X + 3 = \sqrt$

5-) Se F(x,y) = x. Sen(xy) pencontro Fx(x,y) Fy(x,y) Fx (x,1) 2 parts SW= X3 Fox = 3x. San (xy?) I= xy2 914=3x2 M= Cos 4 Ix= y FW = 3x2. Sen (xy2) + 8 . y2 (on (xy2)) Fr (x,y) u= xy 2- Parte IV=2xy + 2º perste

2xy Cos(xy2) F(y) = 2 xy Cos (xy2) + 2xy Cos (xy2). X"