

(9.) line of tand and normal x 2y 2= (g 9 , (-1, 3) T= 3 (x+1)+3 Tx [x2y2=9] N= = (x+1)+3 x2.244 + 422x =0 2x2yy't2xy2=0 2x2yy'=-2xy2 2x2y 2x'y
y'=-xy'
x'y
=-y 9'(-1) = -1 27.) \$ 20 000  $\chi^2 + y^2 = 1$ fx [x2+y2=1] 2x+2yy'=0 39/2-2x 2y - x y'= y(-1) +xy' 1-y+x - y