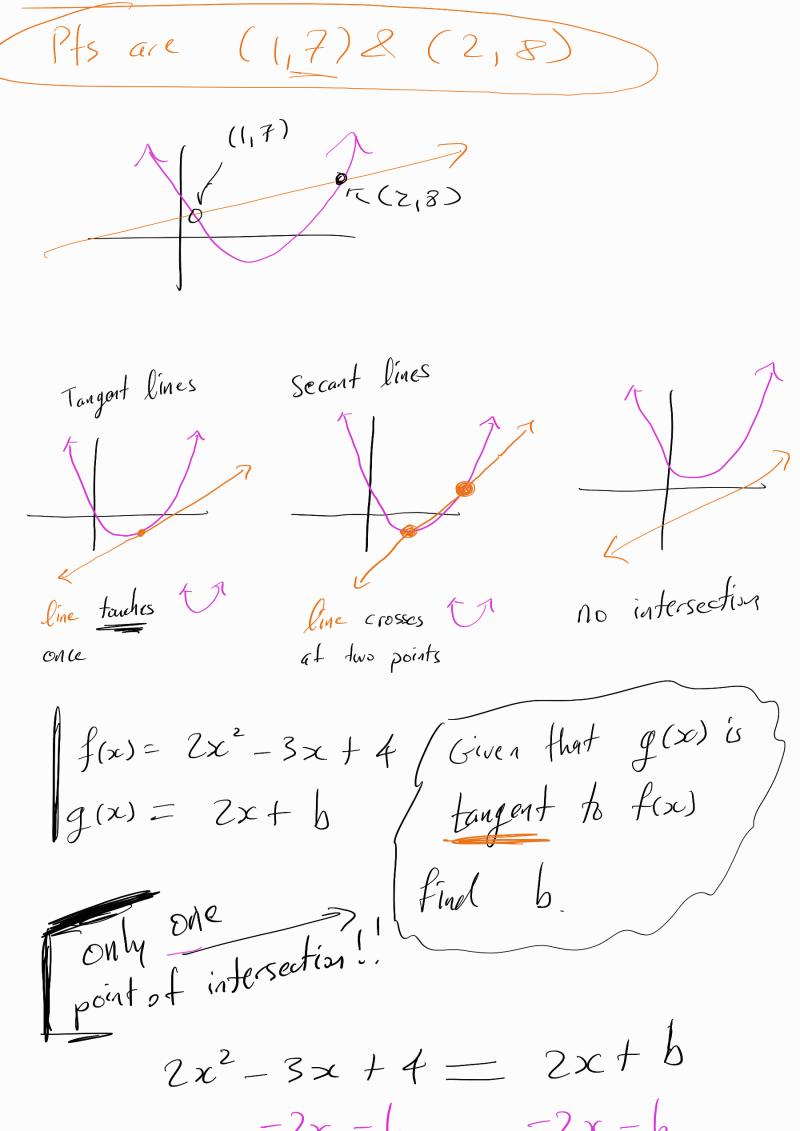
Points of Intersection 10/31/2023  $\int f(x) = x^2 - x - 18$ 9(5) = 2 g(x) = x-3 g(-3) = -6Q: where do they interscet? (5,2) Oset f=g f(x) = g(x)(-3, -6) -x+3-x +3  $\chi^2 - 2\chi - 15 = 0$ (x-5)(x+3) = 05, -3Find the points of intersection  $f(x) = x^2 - 2x + 8$ g(x)=x+6/ STEP 1 Set f = 9  $\chi^2 - 2x + 8 = x + 6$ (STEP2) set one side to Zero; solve forx  $x^2-3x+z=0$  $(\chi-z)(\chi-1) = 0$ 

 $\chi = 1//\chi = 2$ 



 $2x^{2}-5x+(4-b)$  \_\_\_\_ quadratici.  $b^2 - 4ac = 0$ 25-4(2)(4-6) = 025-8(4-6) 25 - 32 + 86 = 0 -7 + 86 = 0 5 = 7/8 $f(x) = \chi^2 - 5xt 7$  g(xc) = 3x + kfand gare tangent... finel (1) Take f=g

(2) la - 2 <- look et discriminant

What censis: This staff & next essent due M