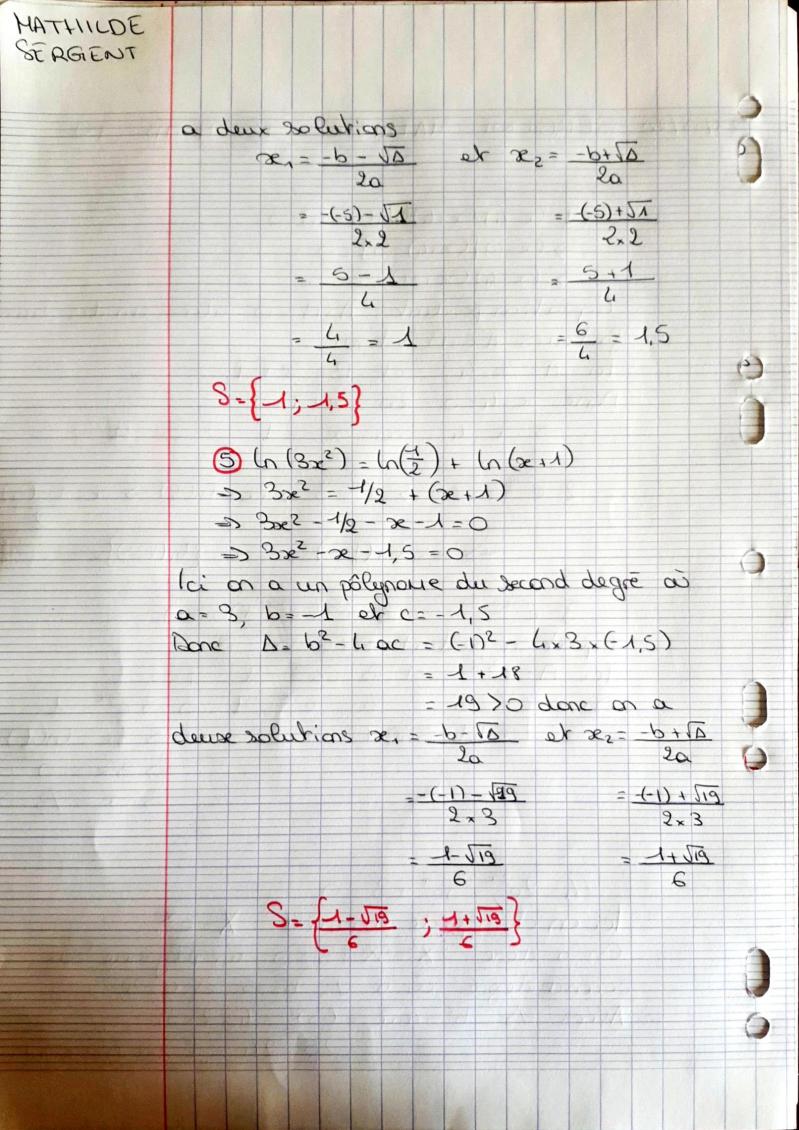
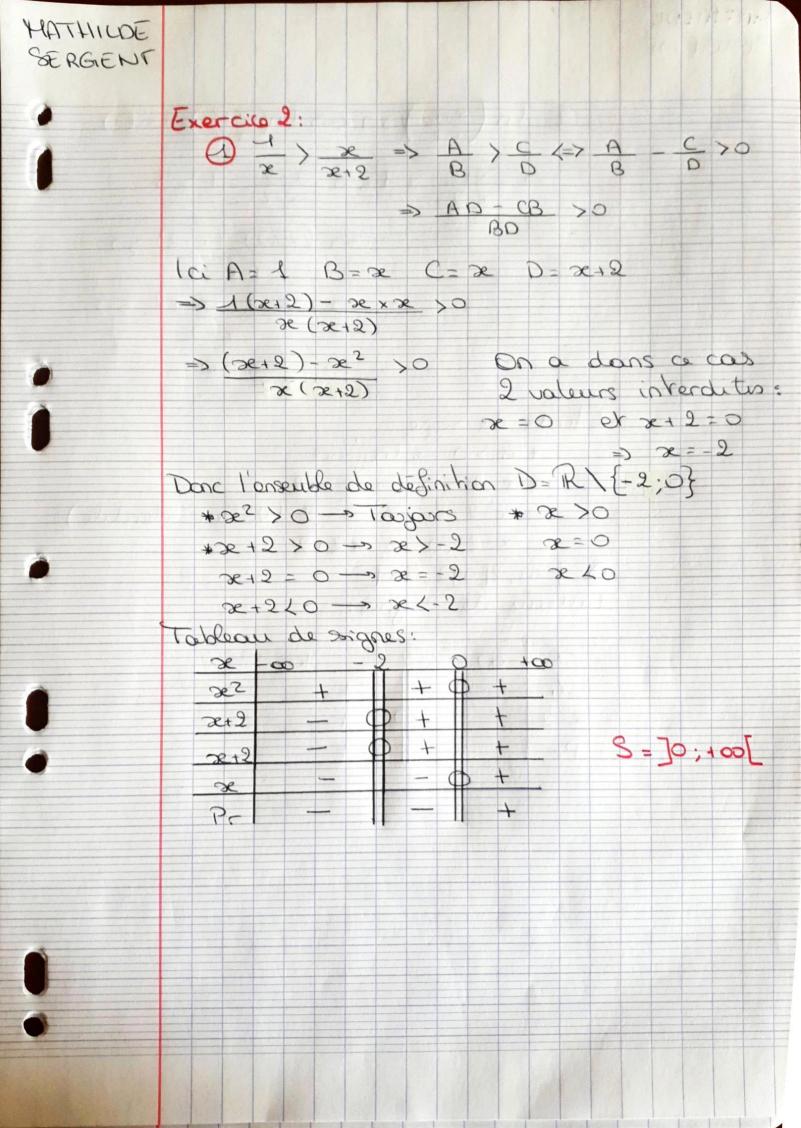
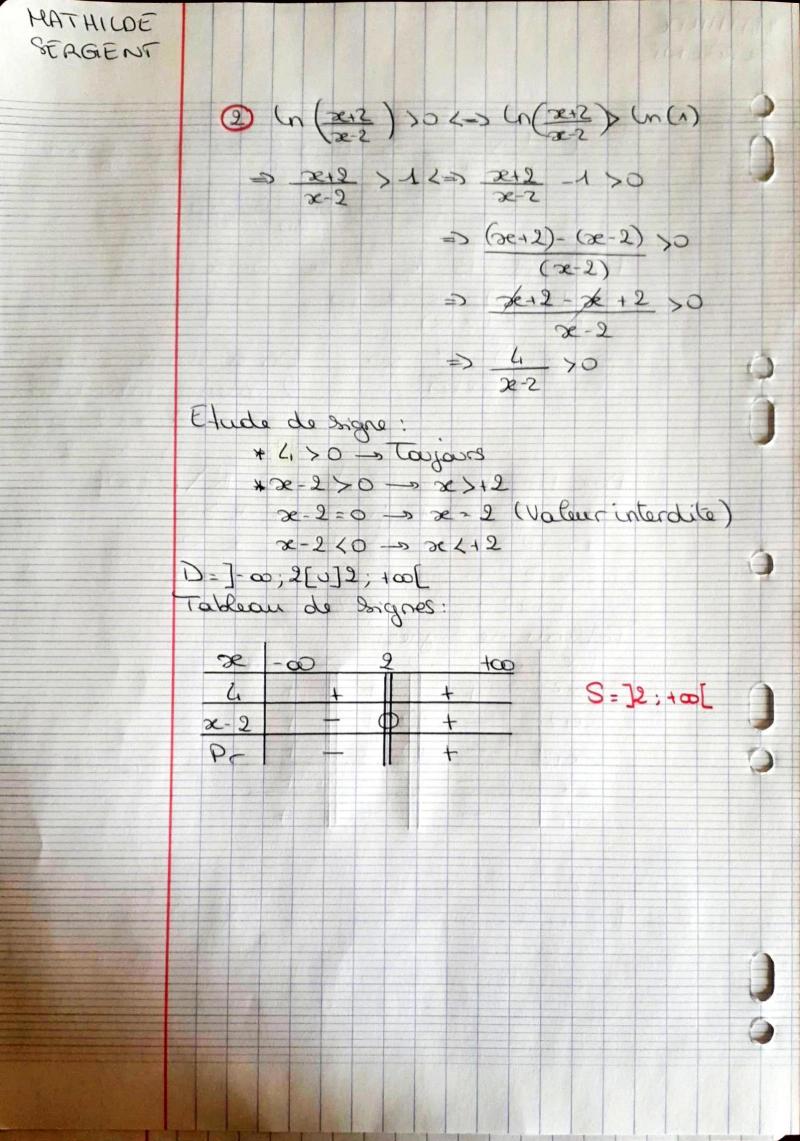
27/03/20 SERGIENT HATHILDE DET MATHS TO Exercice 1: ((x-4) (x+4)-3(x-4)=0 => (x-4) [(x+4)-3]=0 => (x+4) (x+1) =0 Equation produit: AxB=0 alors un des deux factours A a B est rul. la A= x-4 er B= x+1. Dona se- 4=0 ou se+1=0 -> x=4 00 x=-1 S={1:4} 2 e-3=0 => e2x=3 => 2x= (m(3) => x= (m(3) -> >= (13) S= (13) Equation produit: AxB=0. Ice A = e3x or B = e3x -1 Donc e3x = 0 00 e3x - 1 = 0 => e3x = 1 Lo IMPOSSIBLE => 300 = (n(1) => 320 = 0 => x = 0/3 =0 8={0} a 2e2 - 5e2 +3 =0 lci on change de variable: X=ex On a danc 2x2-5x +3=0, un pôlynous du second degré as a=2, b=-5 et c=3 Alors D= 62-4ac = (-5)2-4x2x3 =25-24=1>0 alos on







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Exercice 6:

- @ C(n) = 3,5 n + 30 000
- 2 R(n) = 6,5n C(n)
- (3) 6,5n > 3,5n + 30 000 = 56,5n 3,5n > 30 000 6,5n n > 30 000 3,5 = 35,5n > 30 000 3,5 = 3 n > (30 000 / 3,5) / 5,5

D n>=1558