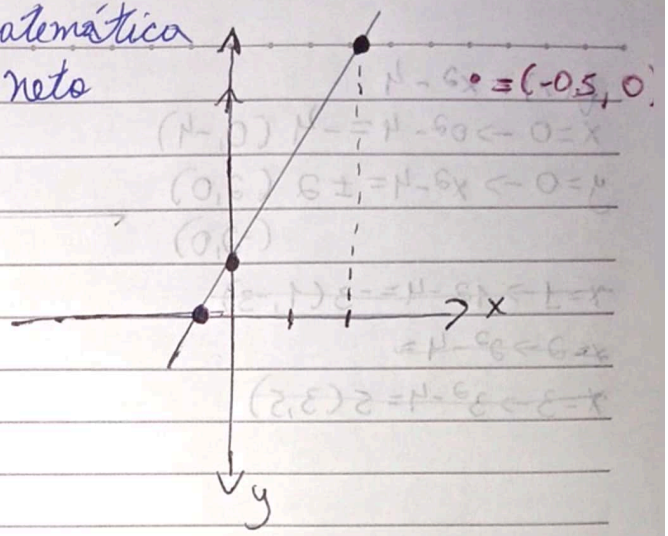
Atividade Matemática

Raimundo de Oliveira Coutinho Neto

$f(x) = 2x + 1$

$x = 0 \rightarrow 2 \cdot 0 + 1 = 1 \ (0,1)$

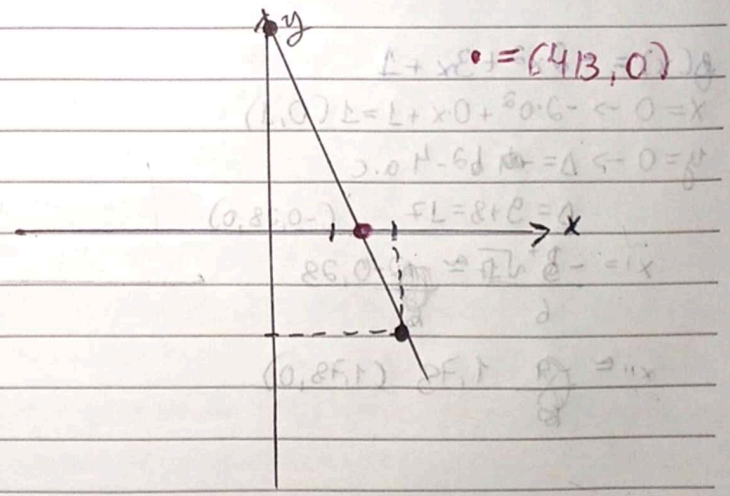
$x = 2 \rightarrow 2 \cdot 2 + 1 = 5 \ (2,5)$



$f(x) = -3x + 4$

$x = 0 \rightarrow -3 \cdot 0 + 4 = 4 \ (0,4)$

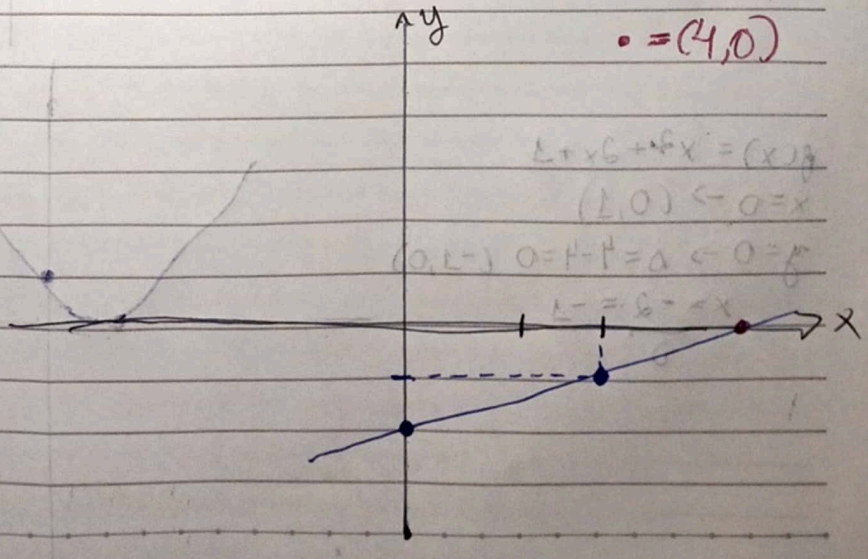
$x = 2 \rightarrow -3 \cdot 2 + 4 = -2 \ (2,-2)$



$f(x) = 0,5x - 2$

$x = 0 \rightarrow 0 \cdot x - 2 = -2$

$x = 2 \rightarrow 2 \cdot 0,5 - 2 = -1$



FORONI

$f(x) = x^2 - 4$

$x = 0 \rightarrow 0^2 - 4 = -4 \quad (0, -4)$

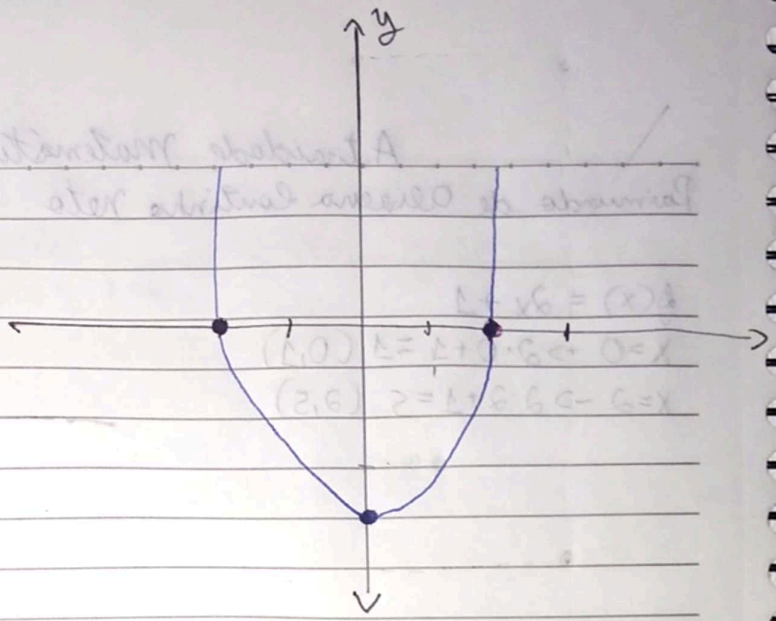
$y = 0 \rightarrow x^2 - 4 = \pm 2 \quad (2, 0)$

$(-2, 0)$

~~$x = 1 \rightarrow 1^2 - 4 = -3 \quad (1, -3)$~~

~~$x = 2 \rightarrow 2^2 - 4 =$~~

~~$x = 3 \rightarrow 3^2 - 4 = 5 \quad (3, 5)$~~



$f(x) = -2x^2 + 3x + 1$

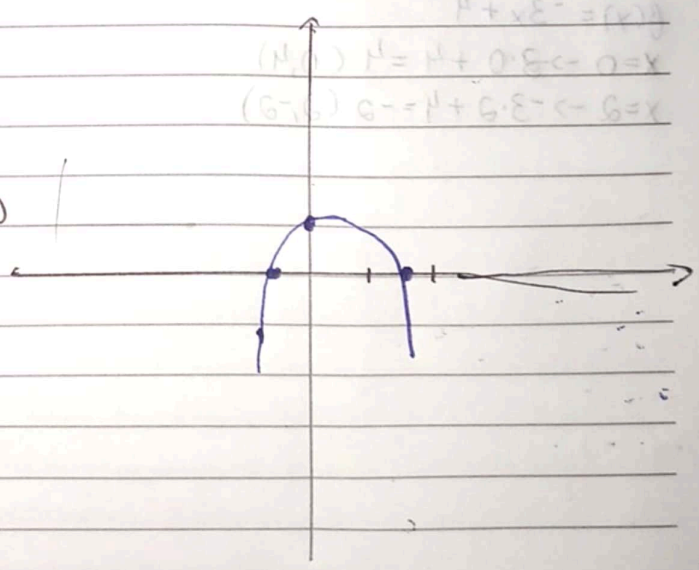
$x = 0 \rightarrow -2 \cdot 0^2 + 0 \cdot x + 1 = 1 \quad (0, 1)$

$y = 0 \rightarrow \Delta = b^2 - 4 \cdot a \cdot c$

$\Delta = 9 + 8 = 17 \quad (-0{,}28, 0)$

$x_1 = \frac{-3 + \sqrt{17}}{6} \simeq -0{,}28$

$x_{11} \simeq 1{,}78 \quad (1{,}78, 0)$

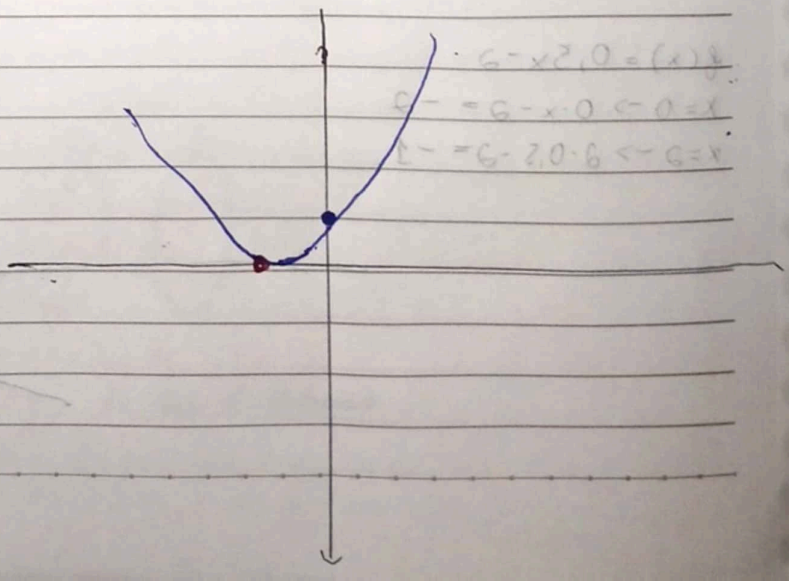


$f(x) = x^2 + 2x + 1$

$x = 0 \rightarrow (0, 1)$

$y = 0 \rightarrow \Delta = 4 - 4 = 0 \quad (-1, 0)$

$x = \frac{-2}{2} = -1$



FORONI