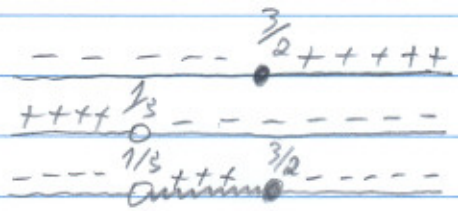
Página 61 Caderno 1 (Mat 1)

(12) $2x - 3 \geq 0 \Rightarrow x \geq \frac{3}{2}$



$1 - 3x \neq 0 \Rightarrow x \neq \frac{1}{3}$

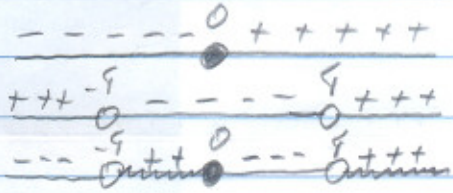
$1 - 3x \geq 0 \Rightarrow x \geq \frac{1}{3}$

$\Rightarrow x > \frac{1}{3}$

$D = \left\{ x \in \mathbb{R} / \frac{1}{3} < x \leq \frac{3}{2} \right\}$

(13) Página 62 Caderno 1 (Mat 1)

$x > 0$



$x^2 - 16 \neq 0$

$x \neq \pm 4$

$x^2 - 16 \geq 0$

$x \leq -4$ ou $x \geq 4$

$\Rightarrow x < -4$ ou $x > 4$

$D = \{ x \in \mathbb{R} / -4 < x \leq 0 \text{ ou } x > 4 \}$

$x \leq -4$ ou $x \geq 4$

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Página 110 Caderno 1 (Mat 1)

15) $O\vec{y}$ $y = C$

$y = -10$

Vértice

$x = \frac{-B}{2A}$ $y = -\frac{\Delta}{4A}$

$x = \frac{-3}{2(-1)}$ $y = -\frac{(-31)}{4(-1)}$

$x = \frac{-3}{-2}$ $y = \frac{31}{-4}$

$x = 1,5$ $y = -7,75$

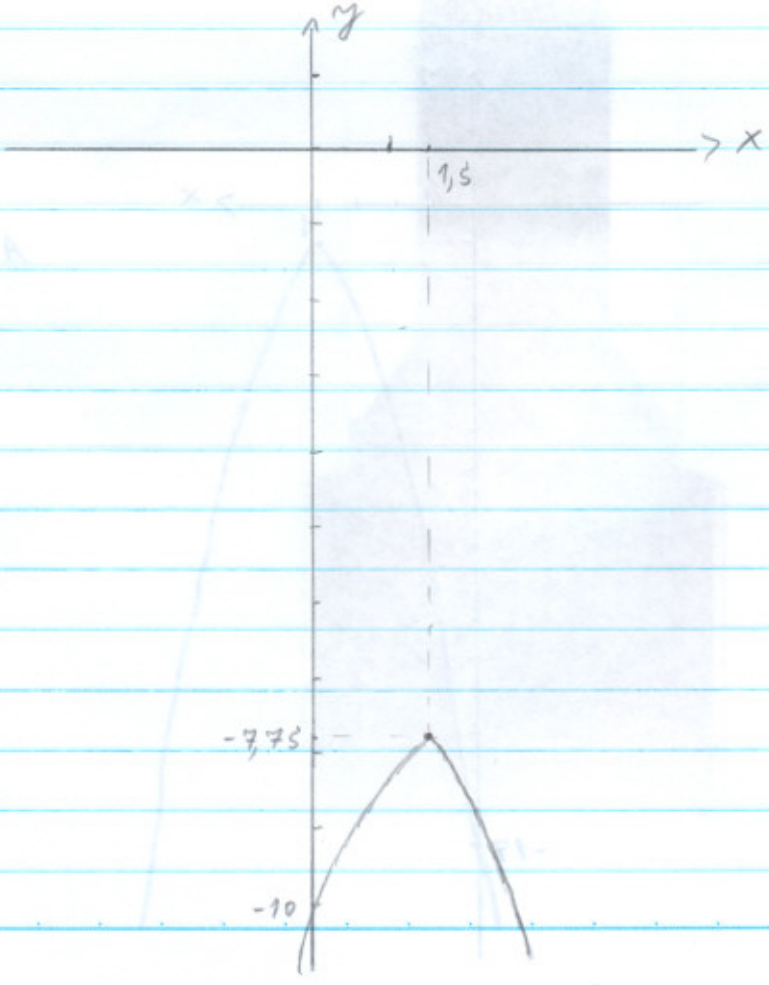
Simetria

$x = -\frac{B}{2A}$

$x = -\frac{3}{2(-1)}$

$x = \frac{-3}{-2}$

$x = 1,5$



$A < 0$

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Página 111 Caderno 1 (Mat 1)

1.7 $\vec{Oy}$ $y = C$

$y = -17$

Vértice

$x = -\frac{B}{2A}$ $\quad y = -\frac{\Delta}{4A}$

$x = -\frac{8}{2(-1)}$ $\quad y = -\frac{(-4)}{4(-1)}$

$x = \frac{-8}{-2}$ $\quad y = \frac{4}{-4}$

$x = 4$ $\quad y = -1$

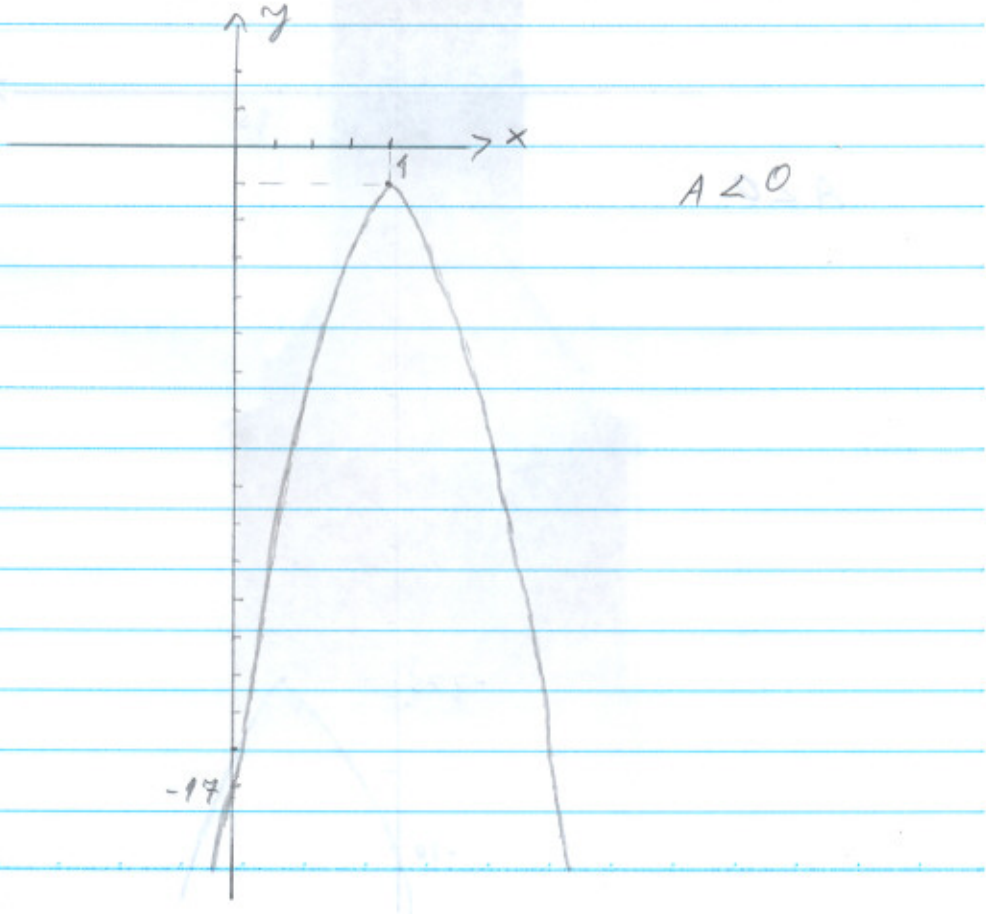
Simetria

$x = -\frac{B}{2A}$

$x = -\frac{8}{2(-1)}$

$x = \frac{-8}{-2}$

$x = 4$



$A < 0$

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Página 111 Caderno 1 (Mat 1)

1.8) $O\vec{y}$ $y = C$

$y = 27$

Vértice

$x = \frac{-B}{2A}$

$x = \frac{-(-10)}{2 \cdot 1}$

$x = \frac{10}{2}$

$x = 5$

$y = \frac{-\Delta}{4A}$

$y = \frac{-(-8)}{4 \cdot 1}$

$y = \frac{8}{4}$

$y = 2$

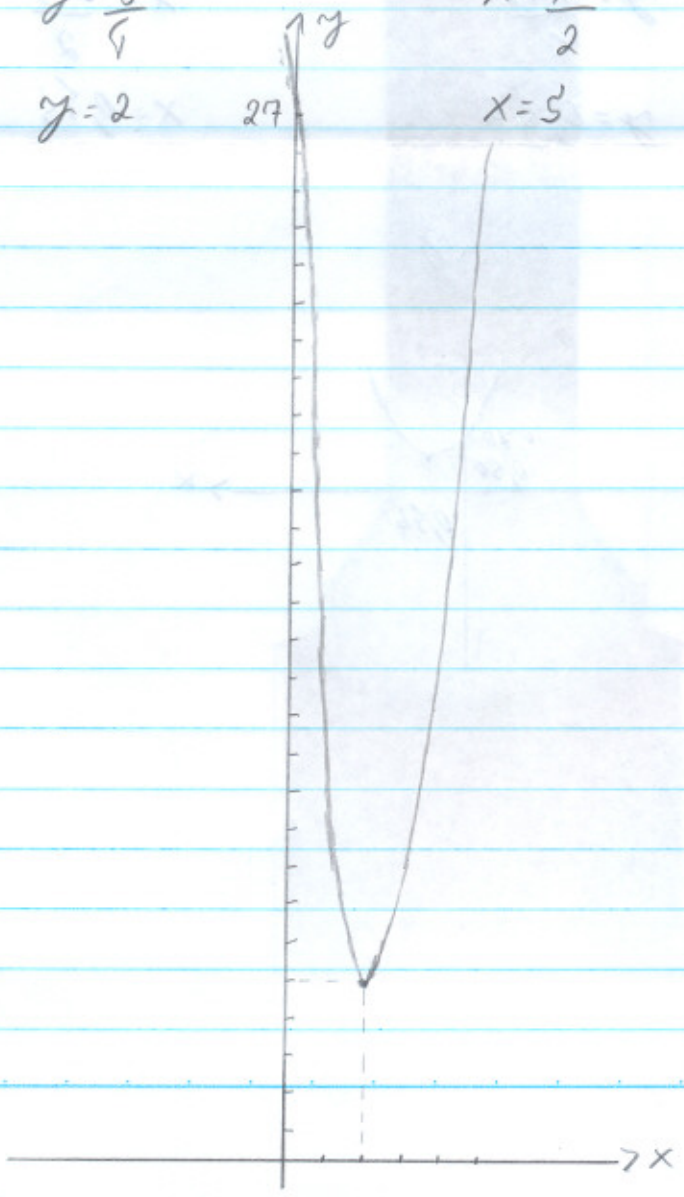
Simetria

$x = \frac{-B}{2A}$

$x = \frac{-(-10)}{2 \cdot 1}$

$x = \frac{10}{2}$

$x = 5$



$A > 0$

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Página 112 Caderno 1 (Mat 1)

1.9) $0\vec{y}$ $y = c$

$y = 0,7$

Vértice

$x = -\frac{B}{2A}$

$x = -\frac{(-0,9)}{2 \cdot 1}$

$x = \frac{0,9}{2}$

$x = 0,45$

$y = -\frac{\Delta}{4A}$

$y = -\frac{(-1,99)}{4 \cdot 1}$

$y = \frac{1,99}{4}$

$y = 0,50$

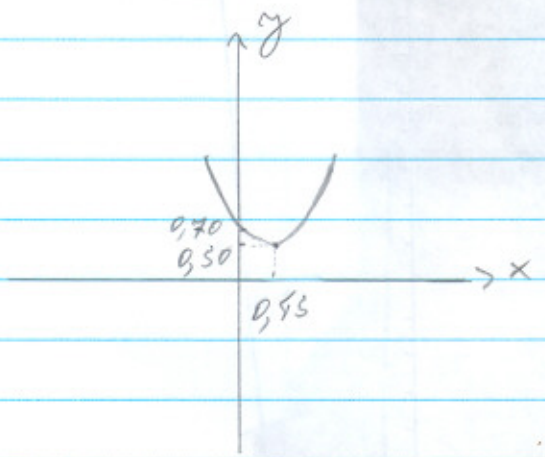
Simetria

$x = -\frac{B}{2A}$

$x = -\frac{(-0,9)}{2 \cdot 1}$

$x = \frac{0,9}{2}$

$x = 0,45$



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