

$$x^2 - 4x - 5 \quad \frac{d}{dx}$$

$$\int 5 \quad x^3 - 4x^2 - 5x + C$$

$$\left[\frac{x^3}{3} - 2x^2 - 5x + C \right]$$

$$\frac{5^3}{3} - 2(5)^2 - 5(5) - \left[\frac{(-1)^3}{3} - 2(-1)^2 - 5 \right]$$

$$\frac{125}{3} - 50 - 25 - \left[-\frac{1}{3} - 2 + 5 \right]$$

$$\frac{125}{3} - \frac{225}{3} - \left[\frac{1}{3} - \frac{9}{3} \right] \rightarrow \frac{100}{3} + \frac{10}{3}$$

$$5 \quad \frac{d}{dx} \quad -x + 2 \quad -x^2 + 2x + C$$

$$-4 \quad -\frac{5^2}{2} + 2(5) - \left[-(-4)^2 + 2(-4) \right]$$

$$\frac{25}{2} + 10 - \left[\frac{16}{2} - 8 \right] = \frac{25}{2}$$

$$\frac{25}{2} + \frac{20}{2} - \left[\frac{16^2}{2} - \frac{16}{2} \right] = \frac{25}{2} - \left(\frac{32}{2} \right)$$

$$\frac{-5}{2} + \frac{32}{2} = \frac{27}{2}$$

$$\int_{-4}^0 (x^2 + 8x + 12) dx$$

$$\frac{x^3}{3} + \frac{8x^2}{3} + \frac{8x^2}{2} + 12x + C$$

$$\frac{x^3}{3} + 4x^2 + 2x + C$$

$$\frac{(0)^3}{3} + 4(0)^2 - 12(0) - \left[\frac{(-4)^3}{3} + 4(-4)^2 + 12(-4) \right]$$

$$\frac{[-64 + 64 - 48]}{3}$$

$$\frac{-64 + 192 - 144}{3}$$

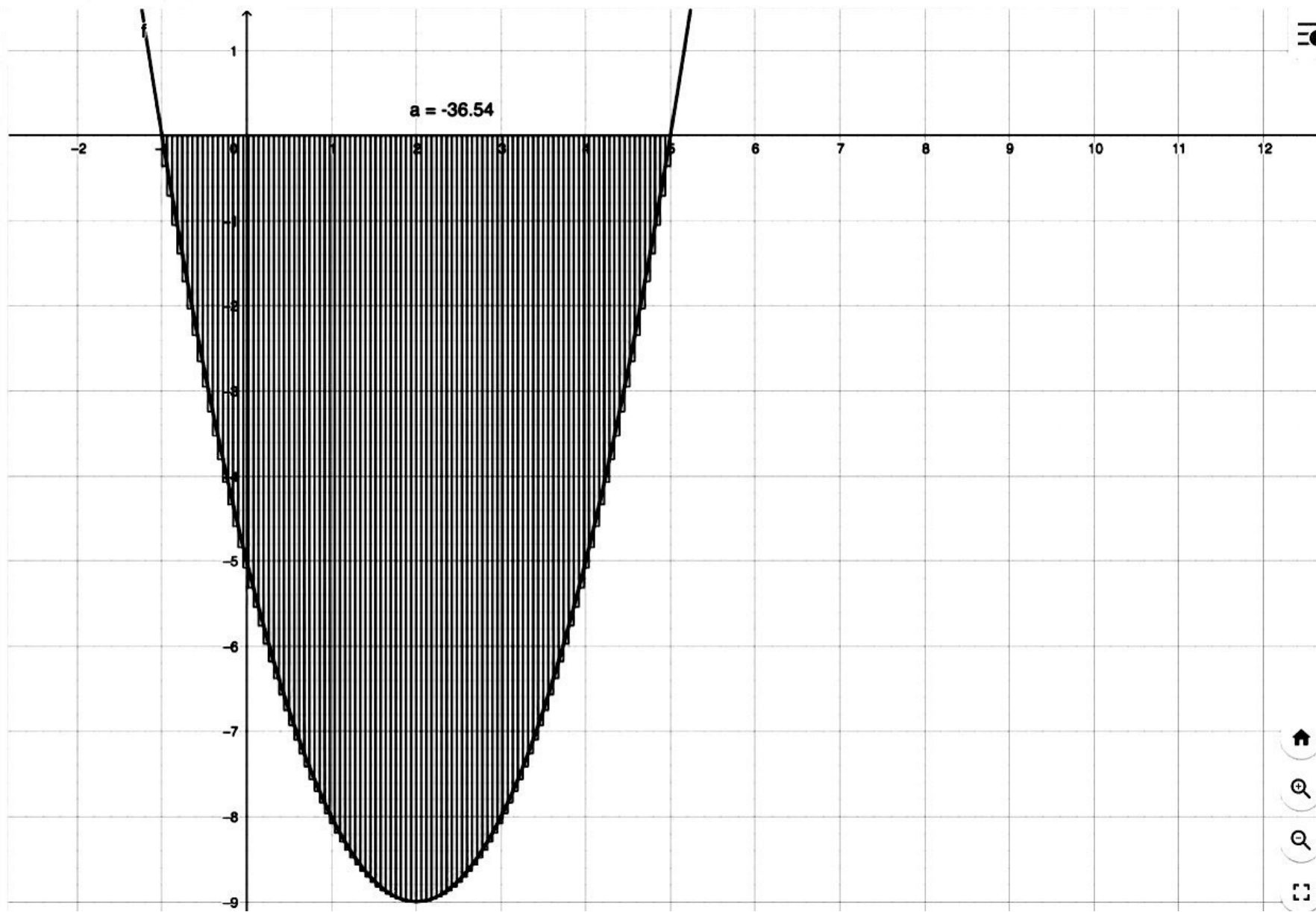
$$\frac{+16}{3}$$



$f(x) = x^2 - 4x - 5$

$a = \text{SumInferior}(f, -1, 5, 100)$
 $= -36.54$

+ Entrada...

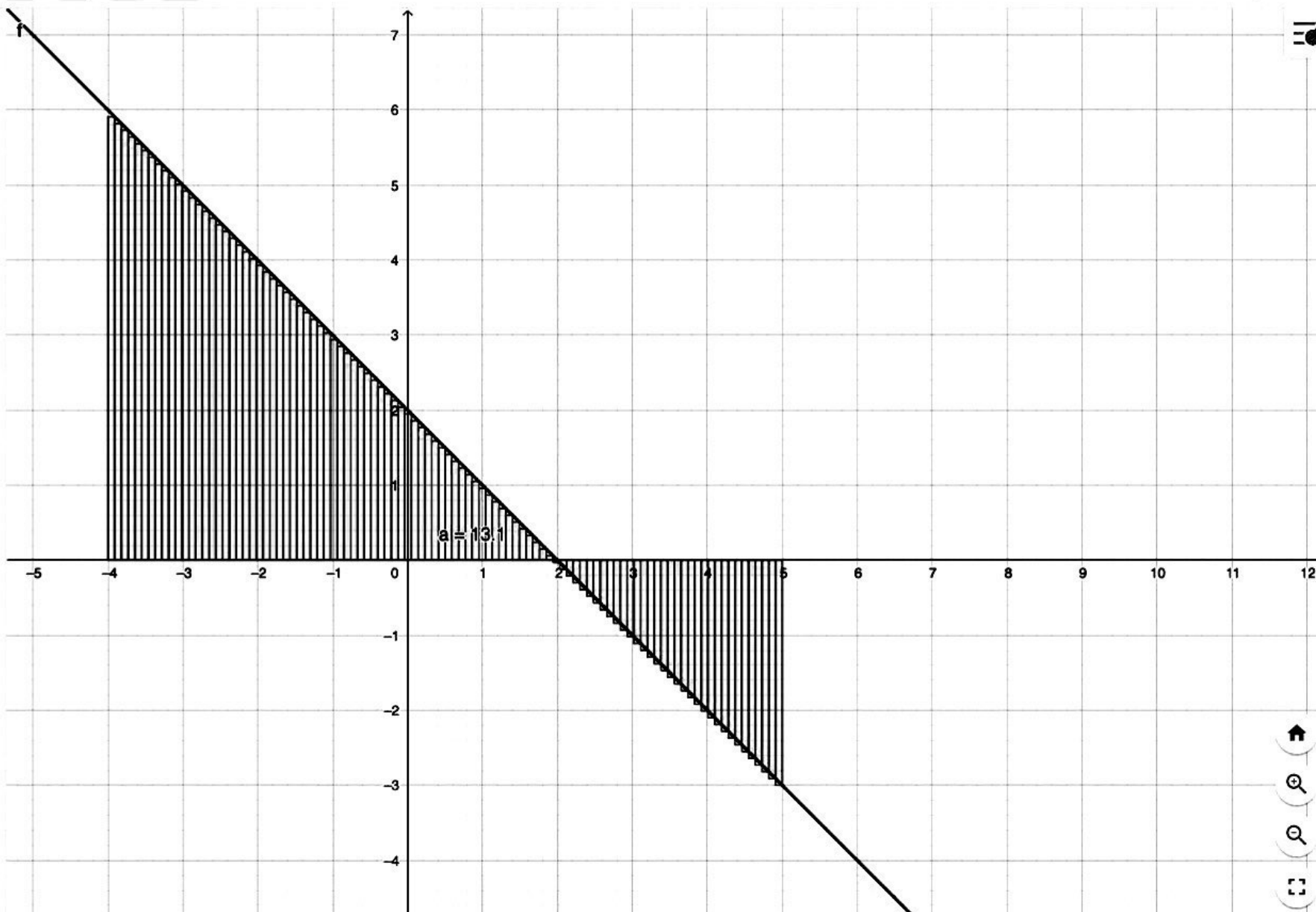




$f(x) = -x + 2$

$a = \text{SumInferior}(f, -4, 5, 100)$
 $= 13.1$

+ Entrada...





● $f(x) = x^2 + 8x + 12$ $\exists \mathbb{N}$

● $a = \text{SumaInferior}(f, -4, 0, 100)$
 $= 5.01$

+ Entrada...

