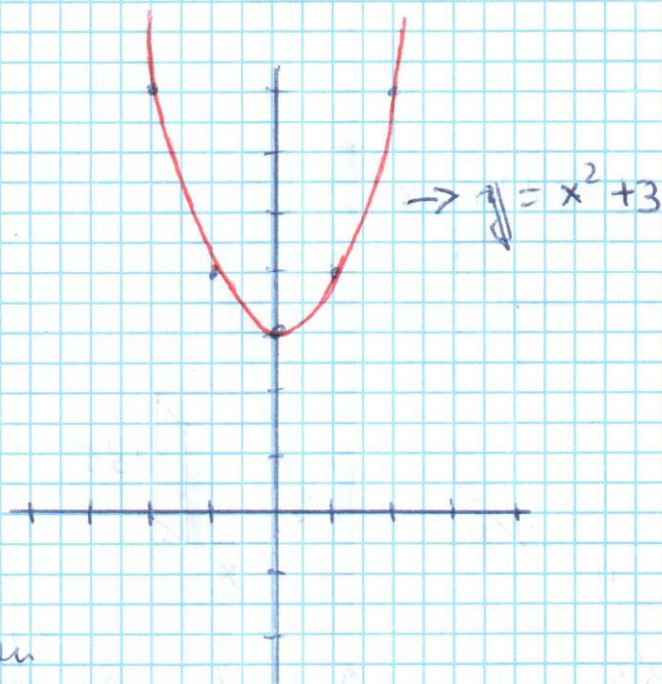


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x	y
-2	7
-1	4
0	3
1	4
2	7

240412



Es simétrica con
respecto a y

$$f(x) = f(-x) \quad || \quad x^2 + 3 = (-x)^2 + 3 = x^2 + 3$$

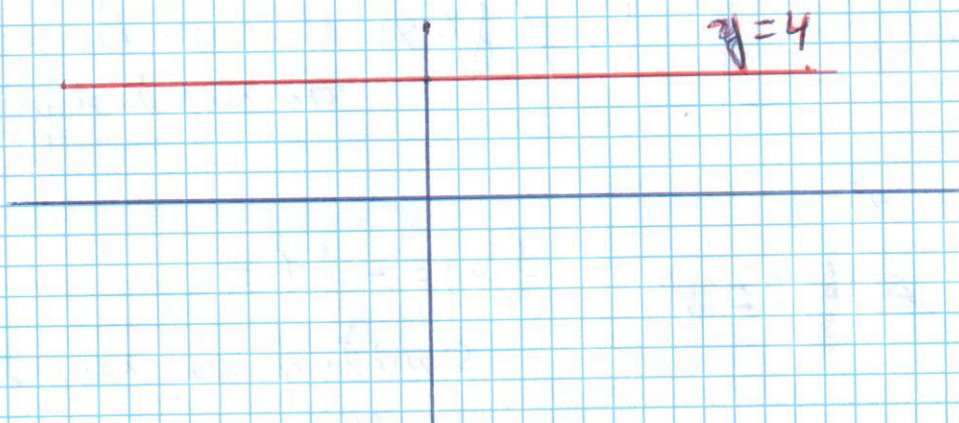
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a)

$$y = 4$$

$$f(x) = f(-x)$$

$$4 = 4$$



b)

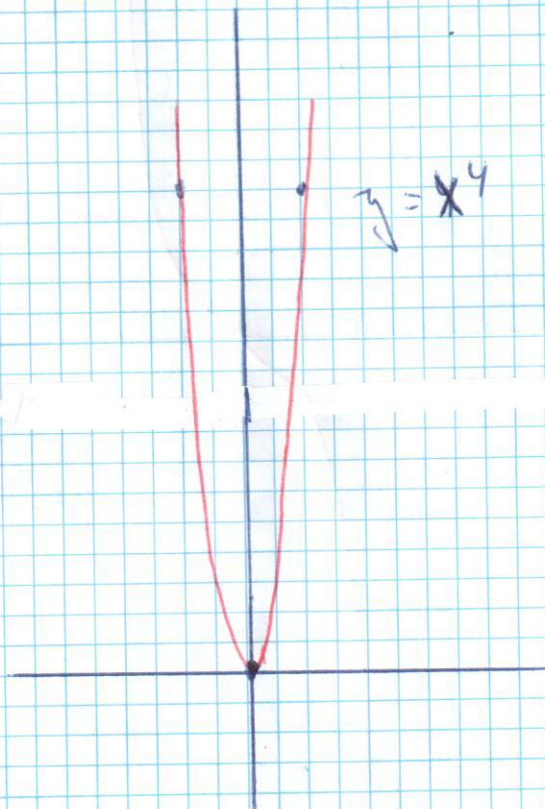
$$y = x^4$$

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

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

} $f(x) = f(-x)$ Simétrica con respecto a y

x	y
0	0
2	16
-2	16



(c) $y = x^3$

$$f(x) = x^3$$

$$f(-x) = (-x)^3$$

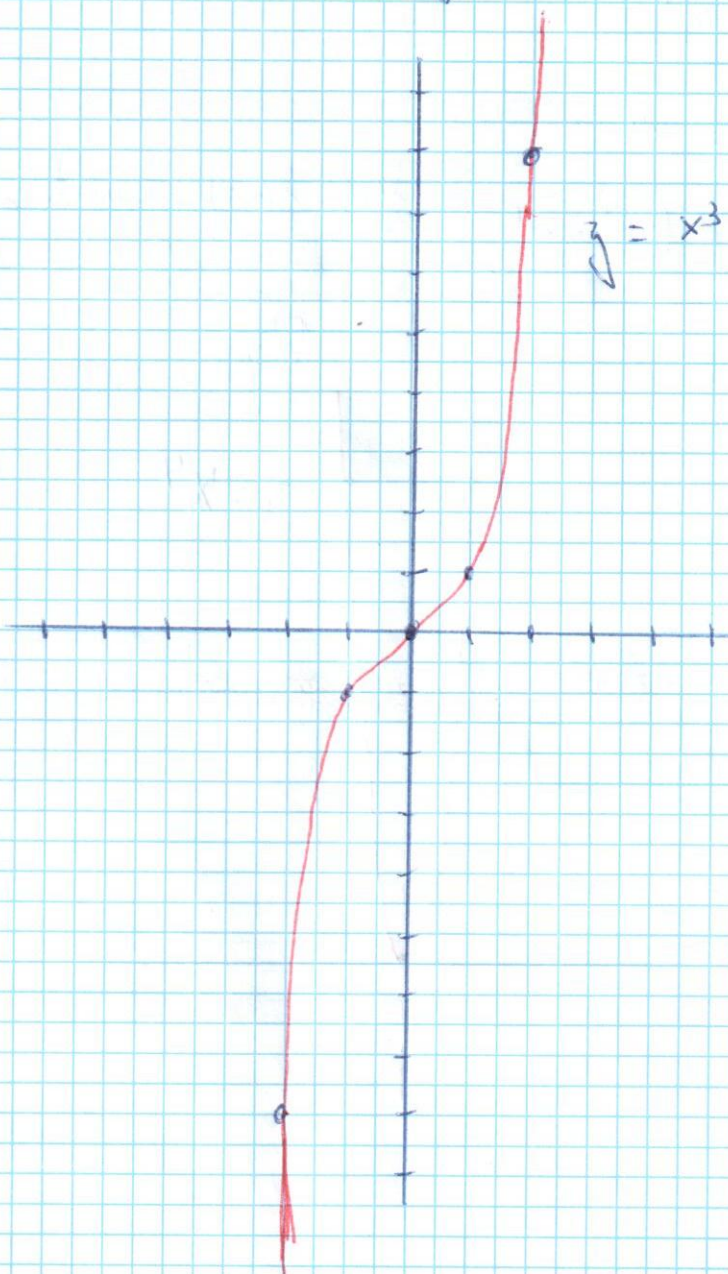
} $f(x) \neq f(-x)$ No es simétrica con respecto a y

$$f(x) = x^3$$

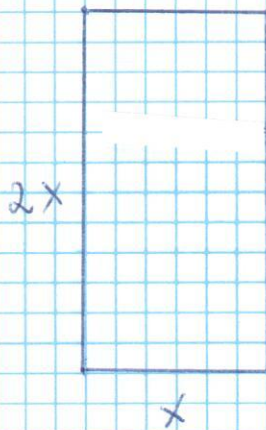
$$-f(-x) = -(-x)^3 = x^3$$

} $f(x) = -f(-x)$
Simétrica con respecto al origen

x	y
0	0
1	1
-1	-1
2	8
-2	-8
3	27
-3	-27



79



$$A = 144 \text{ m}^2$$

$$A = 2x \cdot x$$

$$144 = 2x \cdot x = 2x^2$$

$$2x^2 = 144 // x^2 = \frac{144}{2} = 72 // x = \sqrt{72} = 8'49 \text{ m}$$

$$\text{base } x = 8'49 \text{ m.}$$

$$\text{altura} = 2x = 16'98 \text{ m.}$$

$$\frac{1}{50} = \frac{\text{base dibujo}}{8'49} // \text{base dibujo} = \frac{8'49}{50} = 0'1698 \text{ m.}$$

$$\text{base dibujo} = 16'98 \text{ cm}$$

$$\frac{1}{50} = \frac{\text{altura dibujo}}{16'98} // \text{alt dib} = \frac{16'98}{50} = 0'3396 \text{ m}$$

$$\text{alt dib} = 33'96 \text{ cm}$$

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$$\frac{\text{m. dibujo}}{\text{m. realidad}} = \frac{1'75 \cdot 10^{-2} \text{ m}}{3'5 \cdot 10^{-6} \text{ m}} = 0'5 \cdot 10^4 = 5.000$$

$$\text{Escala} = 5000:1$$