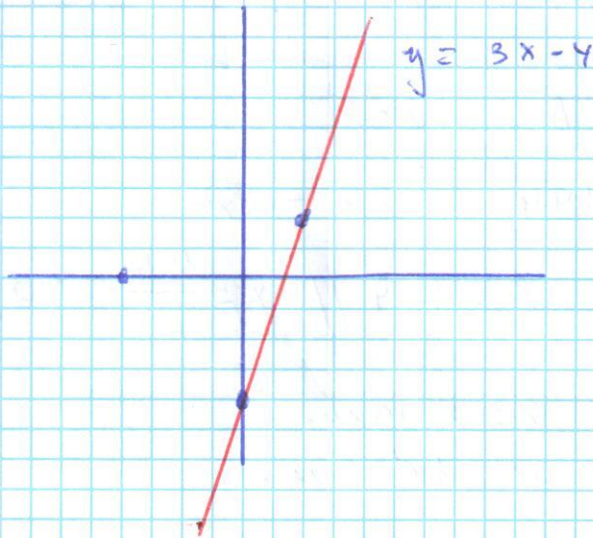


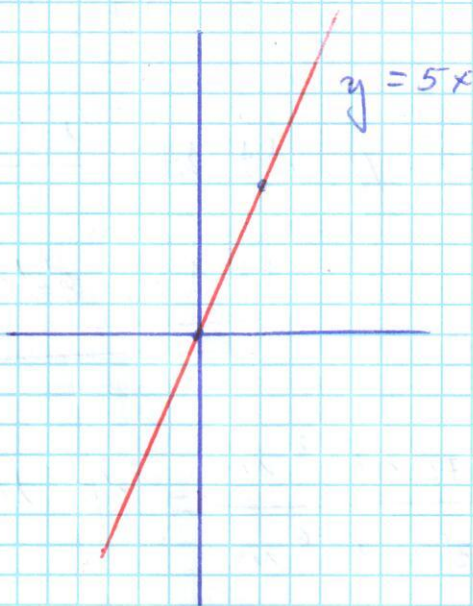
(1) a) $y = 3x - 4$ (no es lineal)

x	y
0	-4
2	2



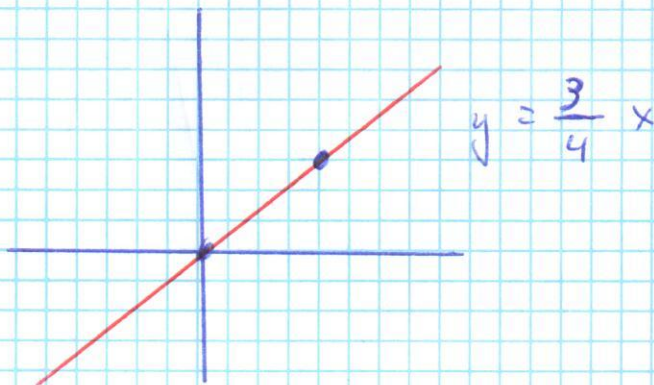
b) $y = 5x$ → lineal y creciente pendiente = 5

x	y
0	0
1	5



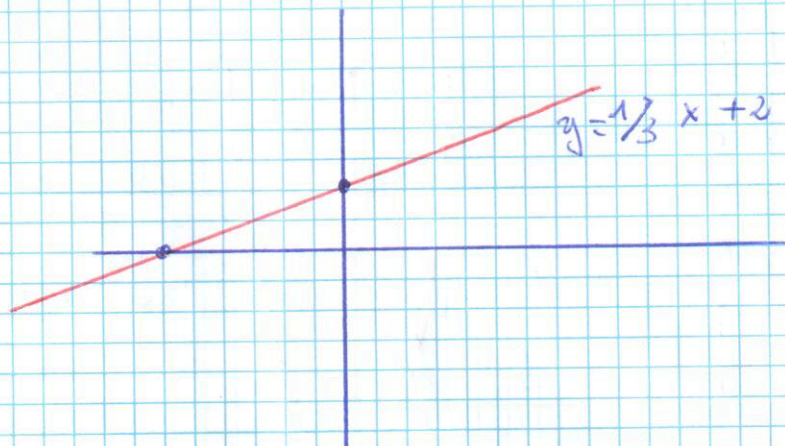
c) $y = \frac{3}{4}x$ lineal y creciente - $m = \frac{3}{4}$

x	y
0	0
4	3



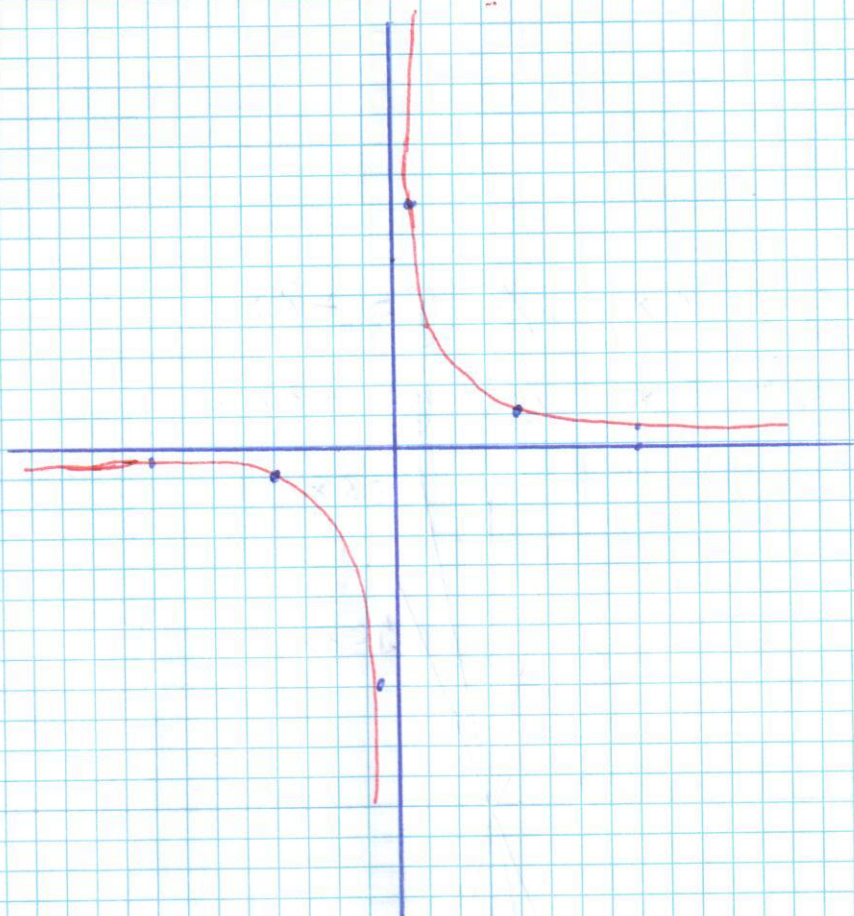
d) $y = \frac{1}{3}x + 2 \rightarrow$ No es lineal

x	y
0	2
-6	0



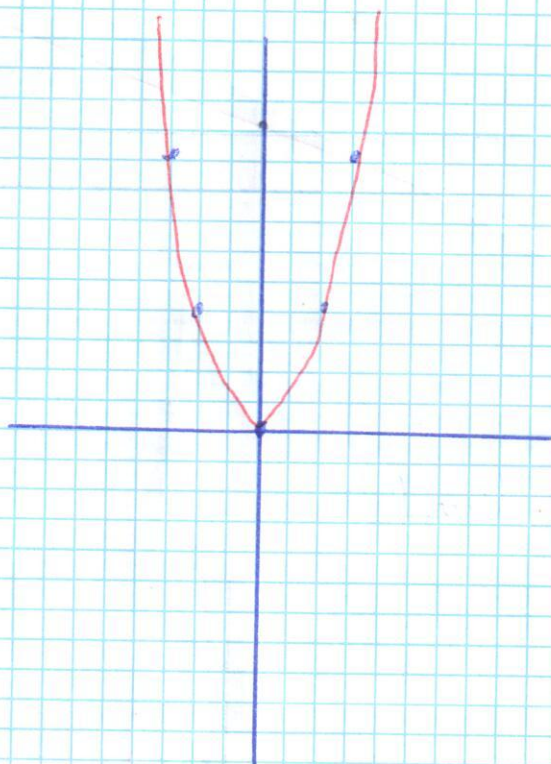
e) $y = \frac{4}{x}$ No es lineal

x	y
0	∞
4	1
-4	-1
8	0.5
-8	-0.5
∞	0
$-\infty$	0
0.5	8
-0.5	-8



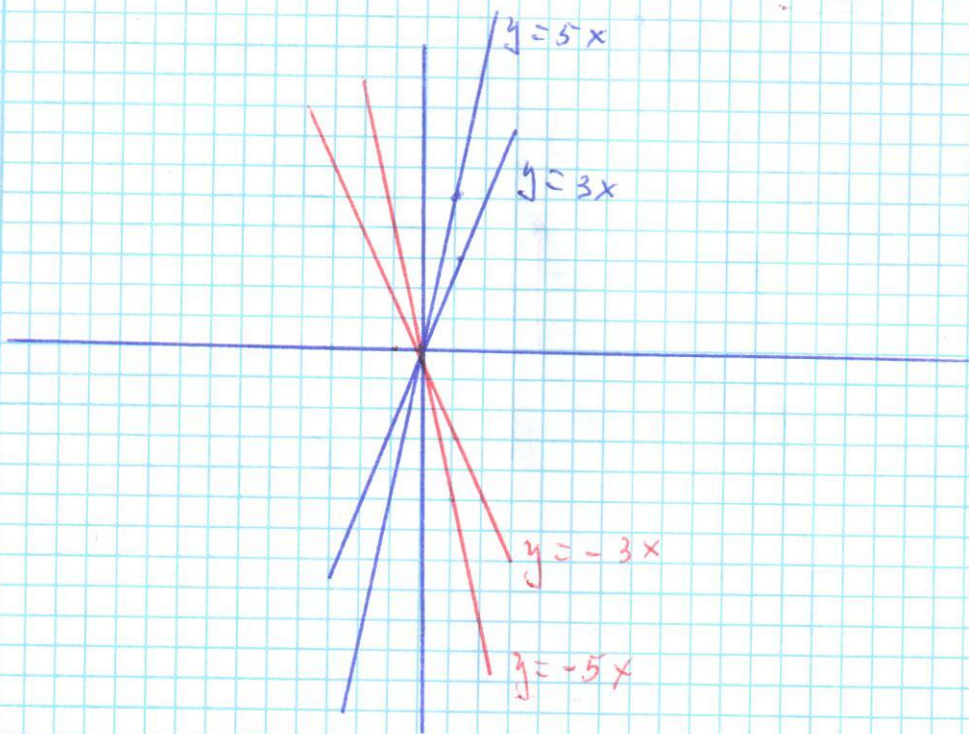
1) $y = x^2$ no es lineal

x	y
0	0
2	4
-2	4
3	9
-3	9



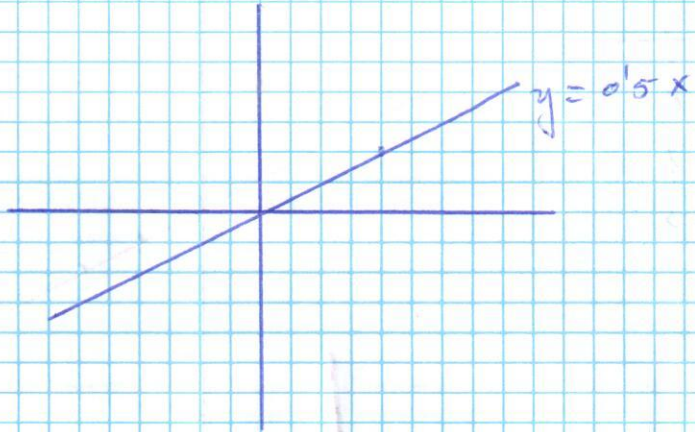
2)

$$\begin{array}{l} y = 5x \\ y = 3x \end{array} \quad // \quad \begin{array}{l} y = -5x \\ y = -3x \end{array}$$



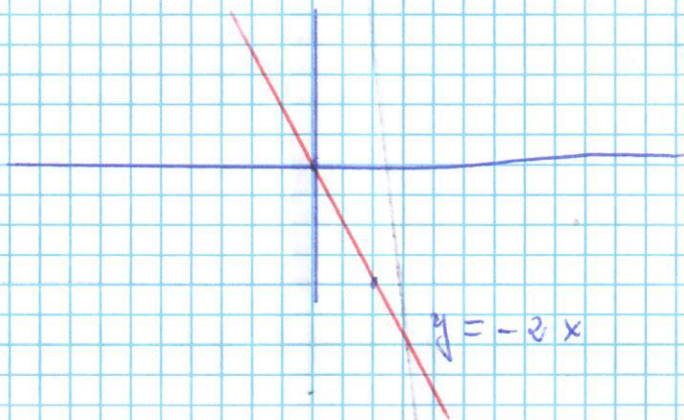
3) a) $y = 0,5x$

x	y
0	0
4	2



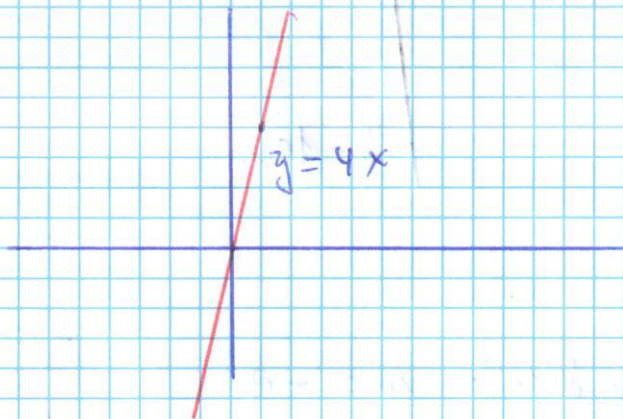
b) $y = -2x$

x	y
0	0
2	-4



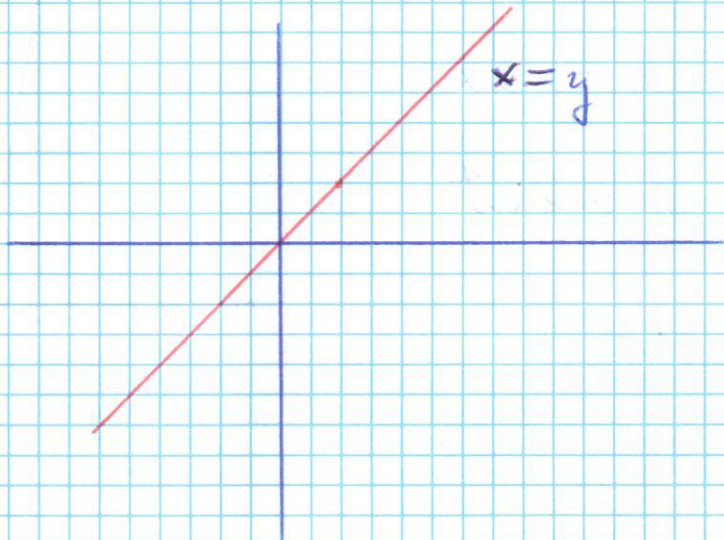
c) $y = 4x$

x	y
0	0
1	4



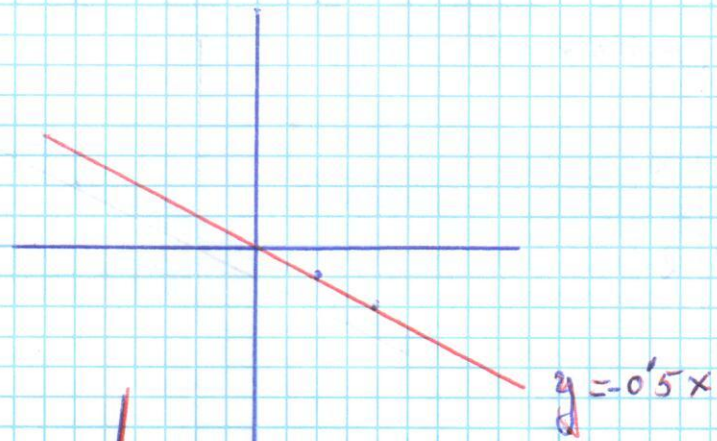
d) $x = y$

x	y
0	0
2	2



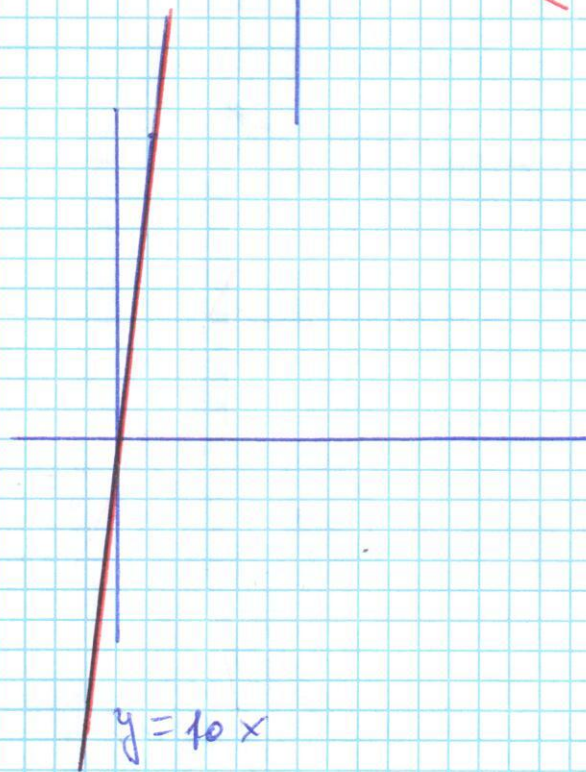
e) $y = -0.5x$

x	y
0	0
2	-1
4	-2



f) $y = 10x$

x	y
0	0
1	10

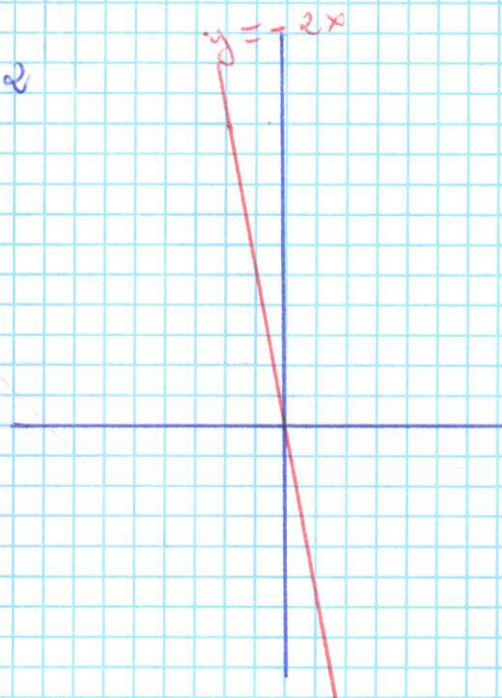


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④ a) pendiente $m = -2$

b) $y = -2x$

c) decreciente

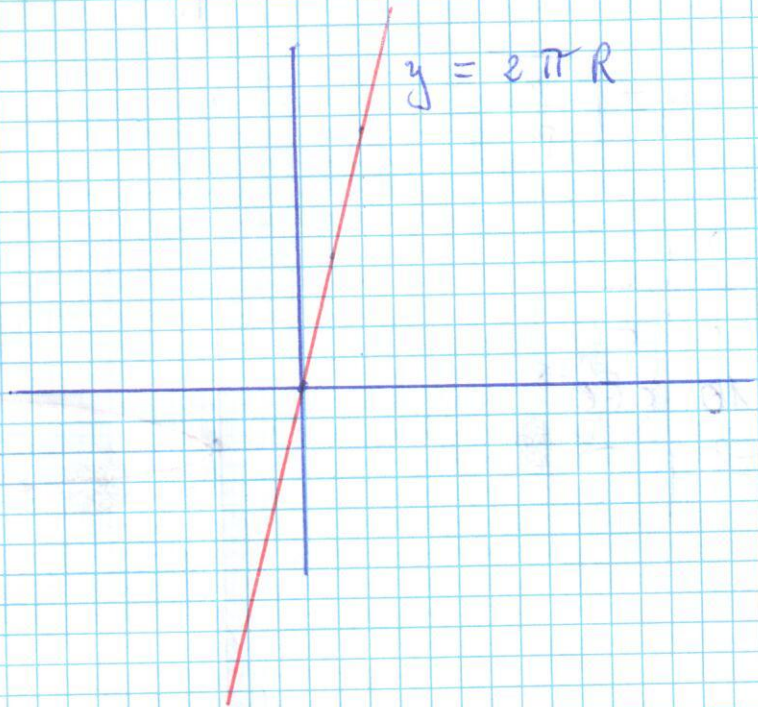


(43)

a) $L = 2\pi R$

$y = 2\pi x$

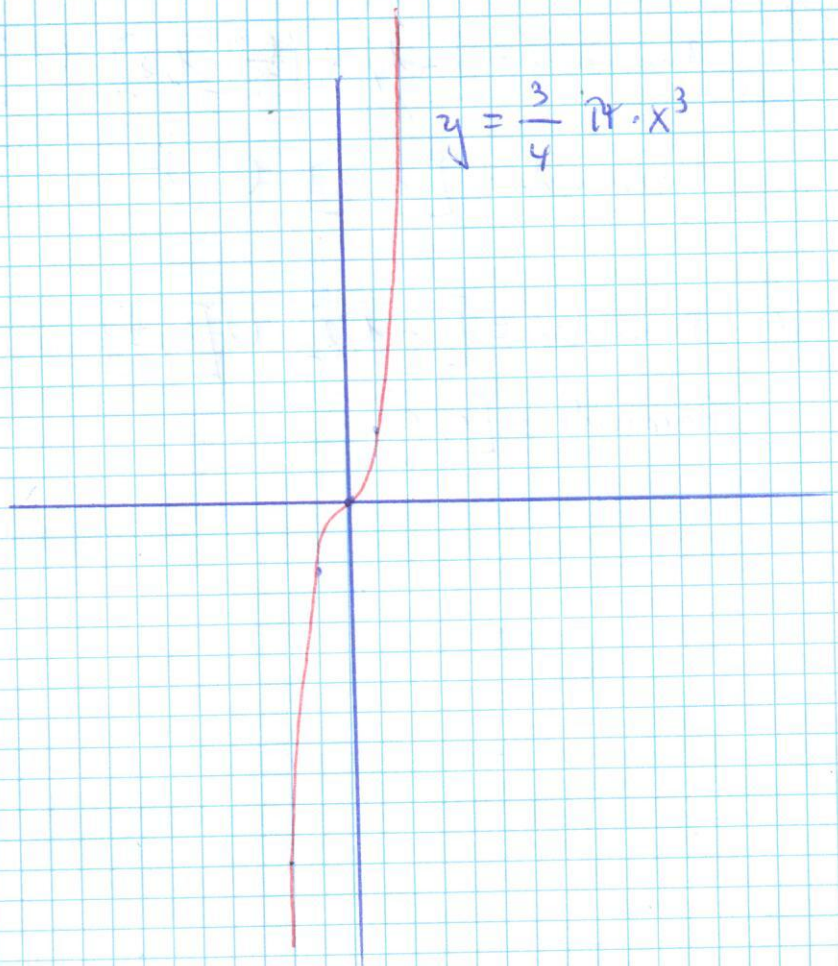
x	y
0	0
1	4'28
2	8'56



5) $V = \frac{3}{4} \cdot \pi R^3$

$y = \frac{3}{4} \pi x^3$

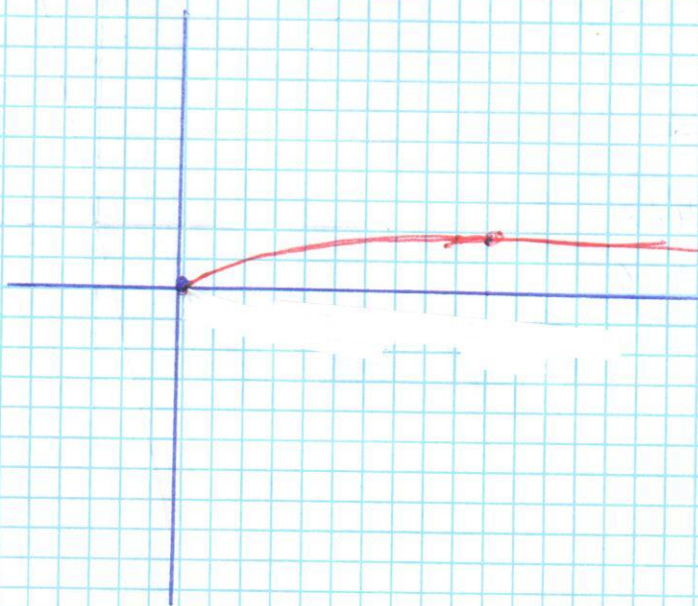
x	y
0	0
1	2'35
-1	-2'35
2	37'68
-2	-37'68
∞	∞
$-\infty$	$-\infty$



$$c) \quad A = \pi R^2 // \quad R^2 = \frac{A}{\pi} // \quad R = \sqrt{\frac{A}{\pi}}$$

$$y = \sqrt{\frac{x}{\pi}}$$

x	y
0	0
10	1,78



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(51)

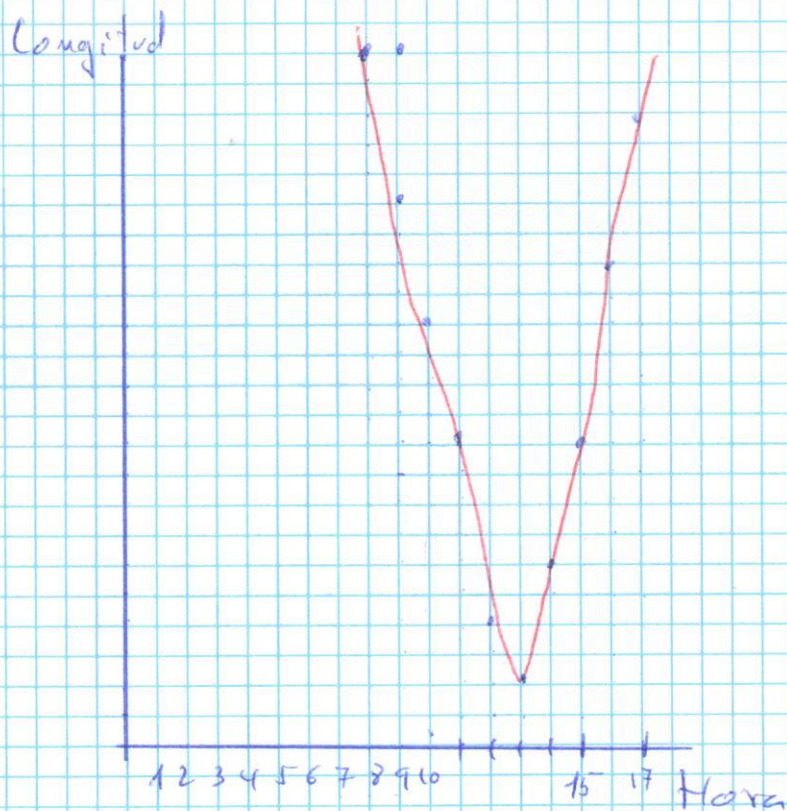
a)

$$\text{Dominio} = [-1, 8] \cup [1, 2] \cup [5, 6]$$

$$\text{Recorrido} = [0, 3] \cup 5$$

b) $\text{Dominio} = [-1, 2] \cup [3, 7]$

$$\text{Recorrido} = [0, 5]$$



b) es continua.

c) Decreciente desde las 8h a las 13h.

Creiente desde las 13h hasta las 17

Mínimo a las 13h.

Domnio = de 8h a 17h.

Recorrido = (2; 23)