TP N° 6

1) A) Si. B) ELEMENTAL PORQUE USA DOS VECES UNA VERTICE
C) Si, (A, B, C, D, E).

2)

	A	B	C	D	E
A	0	1	0	0	1
B	1	0	1	0	1
C	0	1	1	0	1
D	0	0	0	0	1
E	1	1	1	1	0

3) $B \times A = \{(1; -\infty < -4), (2; -\infty < -4)\}$

4) A) Si es FUNCIÓN porque CADA elemento del dominio tiene un solo codominio

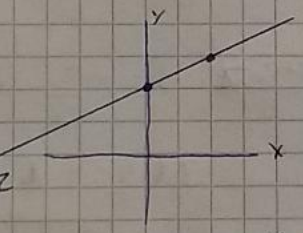
B) No es FUNCIÓN porque el elemento B tiene dos codominios

5) A) ~~(0,~~ ~~(2,5)~~ (-2,5; 3)
B) (3; 3,5) C) (-1; -1) D) (2,5; 0) E) (-4; -2) F) (3; -2)
G) (0; -3)

6) A) $-x + 2y = 4$

$2y = x + 4$

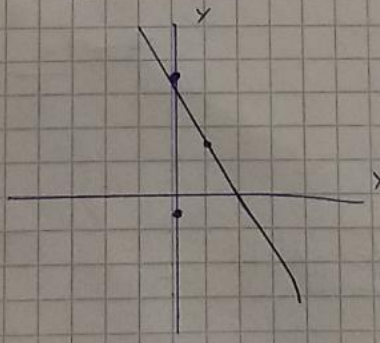
$y = \frac{1}{2}x + 2$



b) $4x + 2y - 7 = 0$

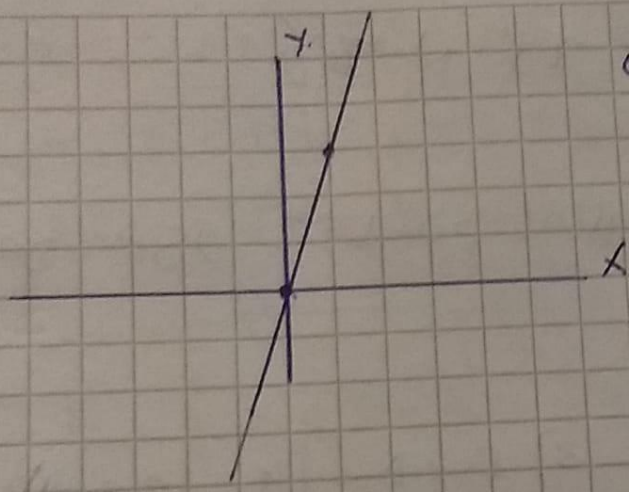
$2y = 7 - 4x$

$y = -2x + \frac{7}{2}$

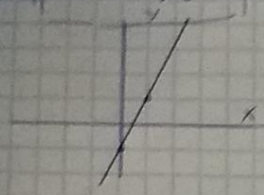


c) $-y + 3x = 0$

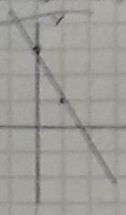
$y = 3x$



7) a) $y = 2x + b - 1$



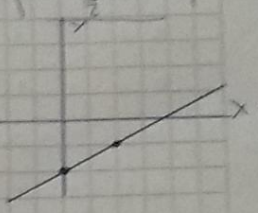
b) $y = -2x + 3$



c) $0 = m \cdot 2 - 2$ $y = \frac{1}{2}x - 2$

$\frac{2}{2} = m$

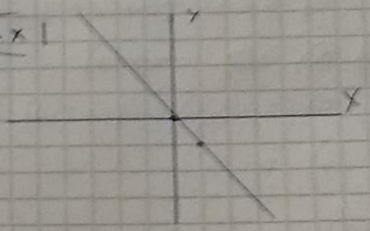
$1/2 = m$



d) $m = \frac{-1-0}{1-0} = m = -1$ $0 = -1 \cdot 0 + B = B = 0$

$-1 = -1 \cdot 1 + B = B = 0$

$y = -x$

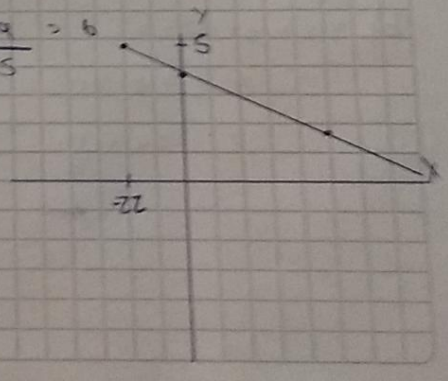


8) $m = \frac{5-3}{-3-2} \therefore m = -\frac{2}{5}$ $5 = -\frac{2}{5} \cdot 2 + b$

$3 + \frac{4}{5} = b$

$\frac{19}{5} = b$

$y = -\frac{2}{5}x + \frac{19}{5}$



$5 = -\frac{2}{5}K + \frac{19}{5}$

$\frac{5 + \frac{19}{5}}{-\frac{2}{5}} = K \Rightarrow K = -22$

9) $F(-2) = 2$

$F(2) = -1$

$F(3) = -1$

$2 + (-1) + (-1) = \boxed{0}$