FUNCIONES, LÍMITES Y CONTINUIDAD

GRAFICA DE LA FUNCIÓN

$$f(x)=\begin{cases} x^2-4 & \text{si } 0 \le x \le 2 \\ -x+4 & \text{si } 2 \le x \le 4 \end{cases}$$

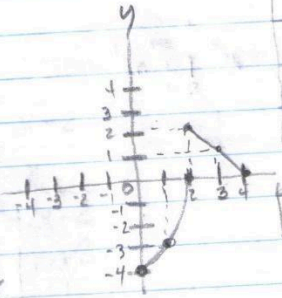
$f(x) = -x+4 \quad -x+4 \quad -x+4$

$-1(2)+4 \quad -1(3)+4 \quad -1(4)+4$

$-2+4 \quad -3+4 \quad -4+4$

$2 \quad 1 \quad 0$

x	y
2	2
3	1
4	0



$f(x) = x^2-4 \quad x^2-4 \quad x^2-4$

$(0)^2-4 \quad (1)^2-4 \quad (2)^2-4$

$0-4 \quad 1-4 \quad 4-4$

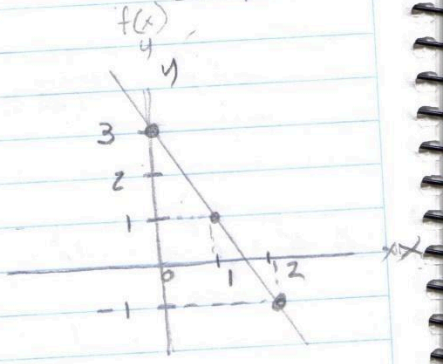
$-4 \quad -3 \quad 0$

x	y
0	-4
1	-3
2	-0

$f(x) = mx + b$

$f(x) = -2x+3$

x	y	x, y
0	$-2(0)+3 = 0+3 = 3$	0, 3
1	$-2(1)+3 = -2+3 = 1$	1, 1
2	$-2(2)+3 = -4+3 = -1$	2, -1



$y = \frac{x-2}{x^3+125} = x < -5 \; x > -5$

$f(x) = |-x+6| = x+6$ (SE LE DAN VALORES A X DESPUES DE TOMAR SU VALOR EN LOS REALES

$f(x) = x+6 \quad x+6$

$1(1)+6 \quad 1(2)+6$

$1+6 \quad 2+6$

$7 \quad 8$

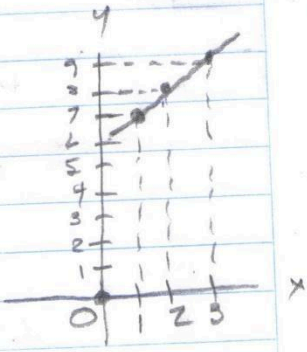
x	y
1	7
2	8
3	9

$x+6$

$1(3)+6$

$3+6$

9

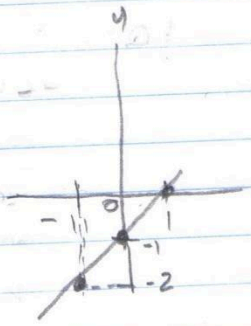


$f(x) = \sqrt{x^2-1} = x-1$

$1(-1)-1 \quad 1(0)-1 \quad 1(1)-1$

$-1-1 \quad 0-1 \quad 1-1$

$-2 \quad -1 \quad 0$



x	y
-1	-2
0	-1
1	0

UNADM, Recuperado 03 03 2019, MAD_U3_Contenido
https://unadmexico.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_60521_1&content_id=_1953084_1&mode=reset

UNADM, Recuperado 03 03 2019, Ayuda didáctica para la unidad 3 actividad 1.docx

https://unadmexico.blackboard.com/webapps/discussionboard/do/message?action=list_messages&course_id=_60521_1&nav=discussion_board_entry&conf_id=_61315_1&forum_id=_248691_1&message_id=_11271829_1