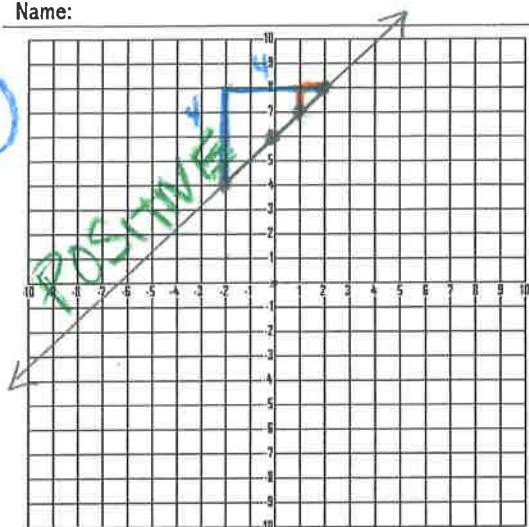


# T3-2 Graphs from tables. Note Pos/Neg/zero

Name: \_\_\_\_\_

Date: \_\_\_\_\_

①

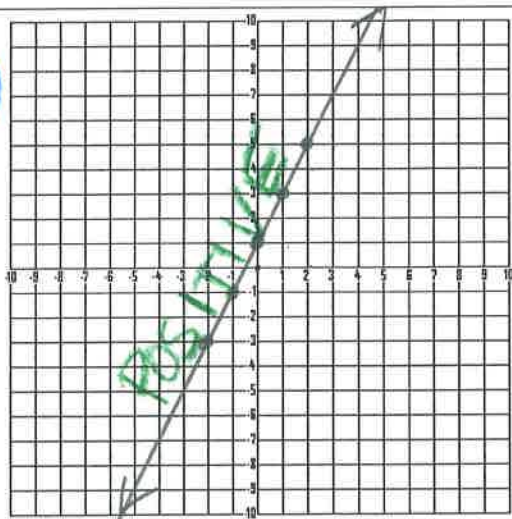


- $(-2, 4)$
- $(0, 6)$
- $(1, 7)$
- $(2, 8)$

$$m = \frac{\text{rise}}{\text{run}} = \frac{2}{2}$$

$$m = \frac{4}{4} = 1$$

②



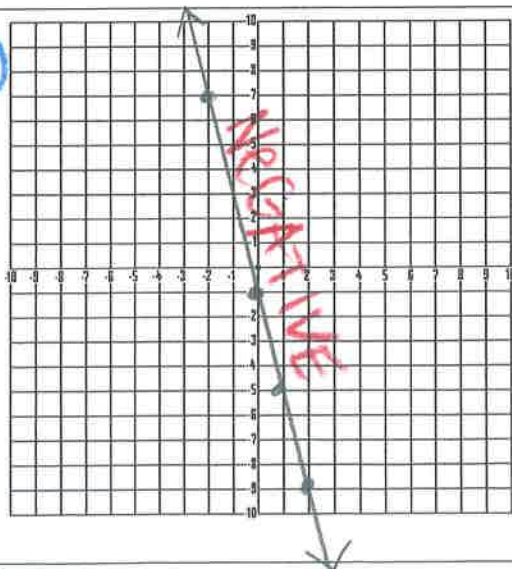
$$y = 2x + 1$$

x	$y = 2(x) + 1$	y	(x, y)
-2	$y = 2(-2) + 1$ $= -4 + 1$	-3	$(-2, -3)$
0	$y = 2(0) + 1$ $= 0 + 1$	1	$(0, 1)$
1	$y = 2(1) + 1$ $= 2 + 1$	3	$(1, 3)$
2	$y = 2(2) + 1$ $= 4 + 1$	5	$(2, 5)$

$$m = \frac{2}{1}$$

check  $(x, y)$   
 $y = 2(-1) + 1$   
 $= -2 + 1$   
 $= -1$  ✓

③



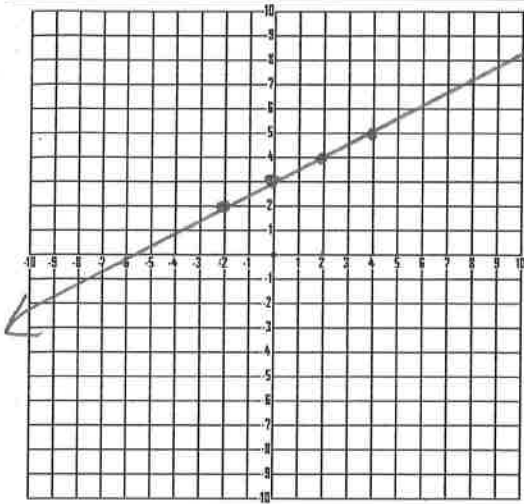
$$y = -4x - 1$$

x		y	(x, y)
-2	$y = -4(-2) - 1$ $= 8 - 1$	7	$(-2, 7)$
0		-1	$(0, -1)$
1	$= -4(1) - 1$ $= -4 - 1$	-5	$(1, -5)$
2	$-4(2) - 1$ $= -8 - 1$	-9	$(2, -9)$

$$m = \frac{-4}{1} = \frac{-4}{1}$$

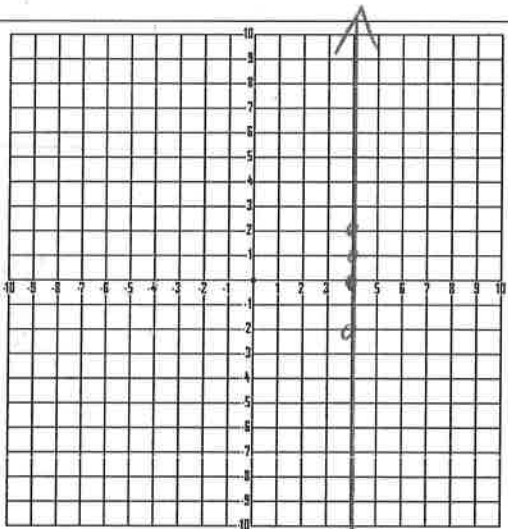
Name:

Date:



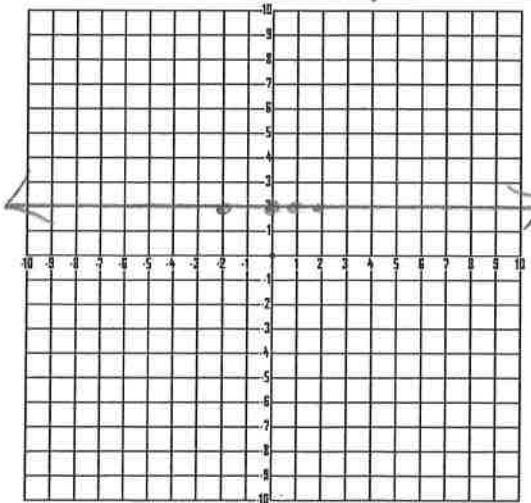
$$y = \frac{1}{2}x + 3$$

	$y = \frac{1}{2}x + 3$	
-2	$y = \frac{1}{2}(-2) + 3$ $-1 + 3$	2 (-2, 2)
0	$y = \frac{1}{2}(0) + 3$	3 (0, 3)
2	$y = \frac{1}{2}(2) + 3$	4 (2, 4)
4	$y = \frac{1}{2}(4) + 3$ $2 + 3$	5 (4, 5)



$$x = 4$$

x	x = 4	y
4		-2
4		0
4		1
4		2



$$y = 2$$

x	y = 2	y
-2		2
0		2
1		2
2		2