

Unit 3 - Day 16 Homework
GRAPHING LINES FROM TABLES

1. Is the ordered pair $(-6, 5)$ a solution to the equation $-5y - 6x = 0$?

x y

$$-5(5) - 6(-6) = 0$$

$$25 + 36 \neq 0$$

NO!

2. *Multiple Choice:* Which ordered pair is a solution of $6x + 3y = 18$?

x y
 a) $(-2, -10)$

$$6(-2) + 3(-10) = 18$$

$$-12 - 30 \neq 18$$

x y
 b) $(-2, 10)$

$$6(-2) + 3(10) = 18$$

$$-12 + 30 = 18 \checkmark$$

x y
 c) $(2, 10)$

$$6(2) + 3(10) = 18$$

$$12 + 30 \neq 18$$

3. *No Calc!* Complete the table below and graph the equation: $y = -x + 2$

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

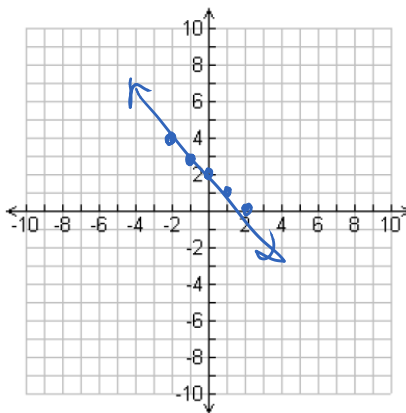
$$y = -(-2) + 2$$

$$y = -(-1) + 2$$

$$y = -(0) + 2$$

$$y = -(1) + 2$$

$$y = -2 + 2$$



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GRAPHING LINES FROM TABLES

1. Is the ordered pair $(-6, 5)$ a solution to the equation $-5y - 6x = 0$?

2. *Multiple Choice:* Which ordered pair is a solution of $6x + 3y = 18$?

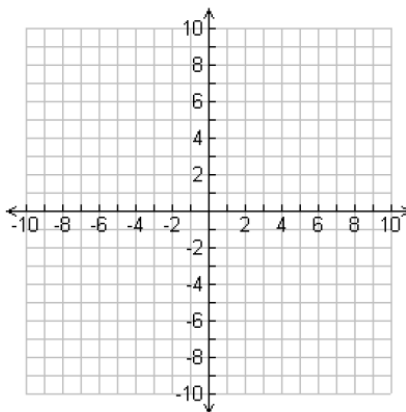
a) $(-2, -10)$

b) $(-2, 10)$

c) $(2, 10)$

3. *No Calc!* Complete the table below and graph the equation: $y = -x + 2$

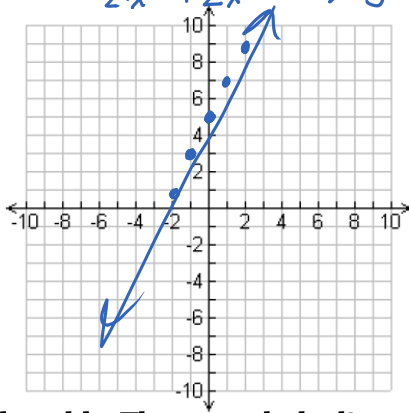
x	y
-2	
-1	
0	
1	
2	



4. *No Calc!* Complete the table below and graph the equation: $y - 2x = 5$
 $-2x + 2x \Rightarrow y = 2x + 5$

x	y
-2	1
-1	3
0	5
1	7
2	9

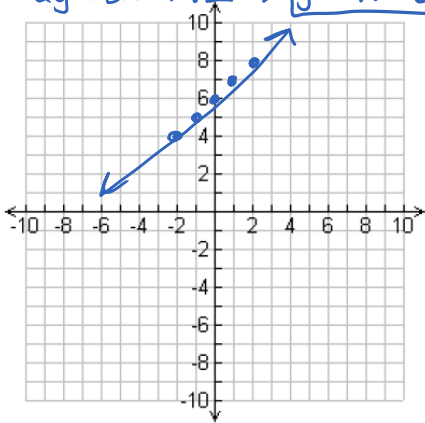
$y = 2(-2) + 5$
 $y = 2(-1) + 5$
 $y = 2(0) + 5$
 $y = 2(1) + 5$
 $y = 2(2) + 5$



(#5-6) *Calculator OK!* Use the calculator to complete the table. Then, graph the line.

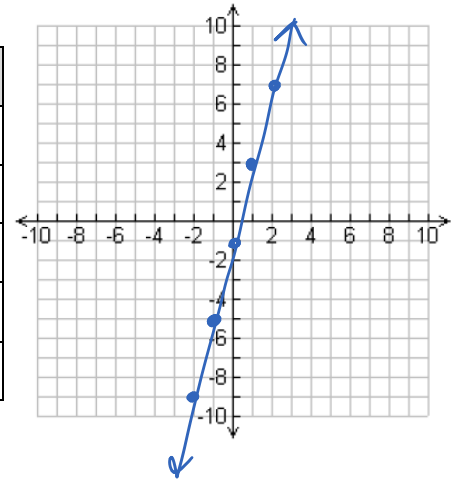
5. $-2x + 2y = 12$ $2y = 2x + 12 \Rightarrow y = x + 6$

x	y
-2	4
-1	5
0	6
1	7
2	8



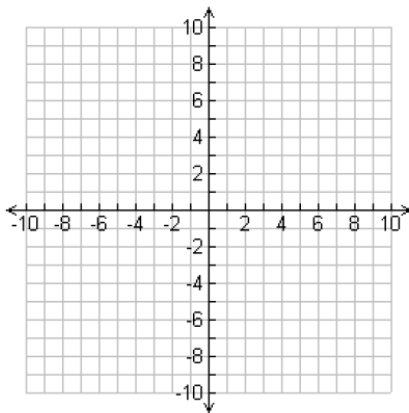
6. $y = 4x - 1$

x	y
-2	-9
-1	-5
0	-1
1	3
2	7



4. *No Calc!* Complete the table below and graph the equation: $y - 2x = 5$

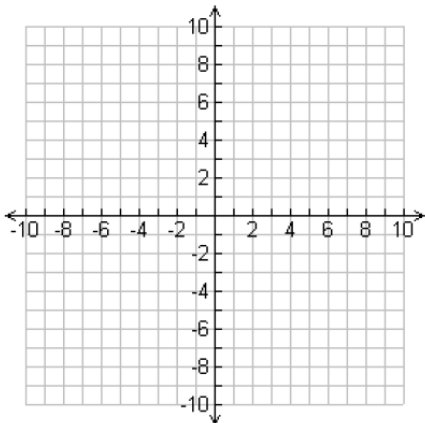
x	y
-2	
-1	
0	
1	
2	



(#5-6) *Calculator OK!* Use the calculator to complete the table. Then, graph the line.

5. $-2x + 2y = 12$

x	y
-2	
-1	
0	
1	
2	



6. $y = 4x - 1$

x	y
-2	
-1	
0	
1	
2	

