Equations with 2 Variables HW

Circle all ordered pairs that are solutions to the equation.

1. $y = 3x - 8$ a. (0,8) b. (6,-10) c. (-2,-2) d. (4,4)

2. $y = -5x + 19$ a. (-3,4) b. (0,19) c. (2,9) d. (-4,39)

Use the equation $y = -2x + 1$ to complete each ordered pair.

3. (0, _____) 4. (-5, _____) 5. (20, _____)

Write an equation that represents the following words, then make a function table for each.

6. A number decreased by 3 is another number.

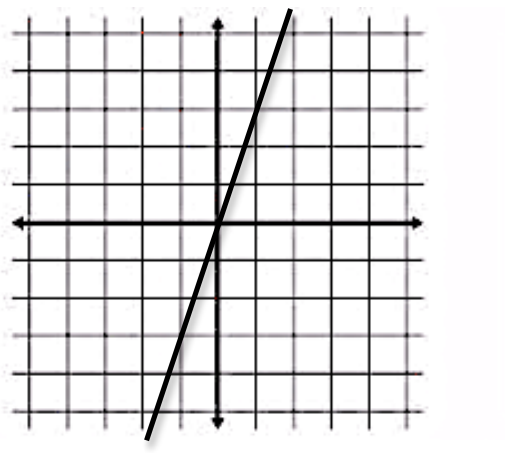
x	y

7. Twice the first number increased by one is the second number.

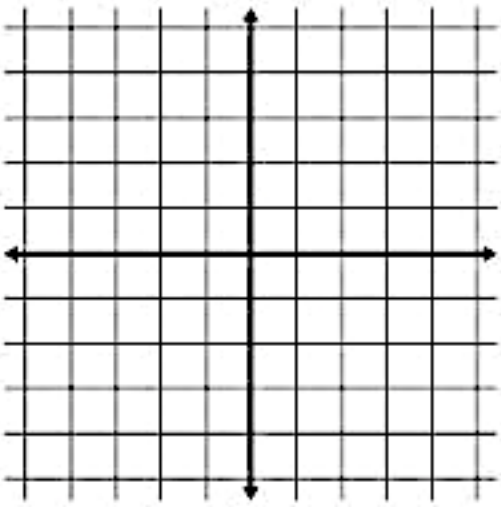
x	y

8. List 3 ordered pairs on the line. Determine the relationship between x and y by writing an equation whose solutions are given by your 3 ordered pairs.

Hint: Make a function table of the x and y values you chose from the graph first.



9. Tickets for the dance cost $2.50 each. Write an equation to represent this situation and make a function table to represent the cost of 2, 4 and 6 tickets. Include the ordered pairs, then graph. Hint: Label the coordinate plane by 2s!



10. Which table contains the values that satisfy the following equation: y = x + 5 ?

a.

x	y
0	−5
6	−1
7	2

b.

x	y
0	−5
4	−1
10	5

c.

x	y
−5	0
−1	4
5	10

d.

x	y
−5	0
−1	6
2	7