

Math 8: Worksheet 4

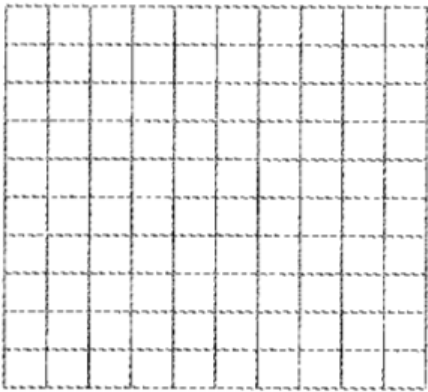
Graphing Linear Relations

1. The use of computers is free in most libraries, but most libraries charge for using the printer. The cost of printing can be represented by $C = 15p$, where C is the cost in cents, and p is the number of pages printed.

a) Complete the table of values

p					
C					

b) Graph the ordered pairs



c) Is it reasonable to have points between ones on the graph? Explain.

2. Evaluate each equation using the given value. Show your thinking.

a) $y = 3x - 1$ when $x = 5$

b) $y = 4x + 1$ when $x = -3$

c) $y = -x$ when $x = -4$

3. Complete the table of values for each equation using $x = -2, -1, 0, 1, 2$.

a) $y = 4x + 1$

x					
y					

b) $y = -5x$

x					
y					

c) $y = 3 - x$

x					
y					

4. Complete each table of values.

a)

x	y
5	-7
4	-4
3	
2	
1	

b)

x	y
7	3
6	4
5	
3	
2	

c)

x	y
8	-10
6	-6
4	
2	
0	

5. Complete the table of values for each relation and graph.

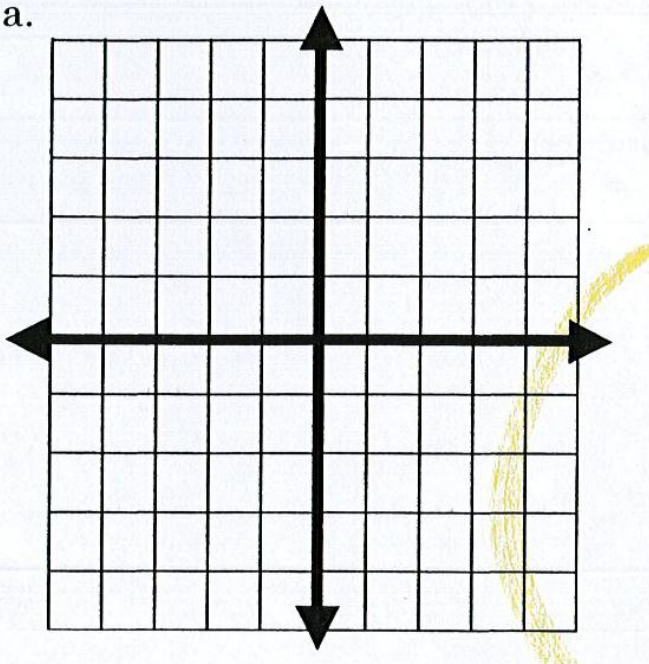
a) $x + y = 4$

x	y
4	
3	
2	
1	
0	

b) $x - y = 2$

x	y
8	
7	
6	
5	
4	

a.



b.

