

Mathematics 9  
 Ordered Pairs in Tables

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

Complete the tables of values for each of the equations below.  
 Then graph each on the paper provided.

1. $y = x$	
x	y
5	5
7	7
-6	-6
0	0

2. $y = x - 3$	
x	y
1	$(1) - 3 = -2$
5	$(5) - 3 = 2$
-4	$(-4) - 3 = -7$
0	$(0) - 3 = -3$

3. $y = 4x$	
x	y
-2	$4(-2) = -8$
0	$4(0) = 0$
1.5	$4(1.5) = 6$
-1.75	$4(-1.75) = 7$

4. $y = -x - 3$	
x	y
4	$-(4) - 3 = -7$
-6	$-(-6) - 3 = 6 - 3 = 3$
2	$-(2) - 3 = -5$
-4	$-(-4) - 3 = 4 - 3 = 1$

5. $y = -2x + 3$	
x	y
0.5	$-2(0.5) + 3 = -1 + 3 = 2$
4	$-2(4) + 3 = -8 + 3 = -5$
-1	$-2(-1) + 3 = 2 + 3 = 5$
-1.5	$-2(-1.5) + 3 = 3 + 3 = 6$

6. $y = \frac{1}{2}x + 5$	
x	y
2	$0.5(2) + 5 = 1 + 5 = 6$
-3	$0.5(-3) + 5 = -1.5 + 5 = 3.5$
-8	$0.5(-8) + 5 = -4 + 5 = 1$
-7	$0.5(-7) + 5 = -3.5 + 5 = 1.5$

7. $y = x - 2$	
x	y
2	$2 - 2 = 0$
5	$5 - 2 = 3$
-1	$-1 - 2 = -3$
-3	$-3 - 2 = -5$

8. $y = -x - 6$	
x	y
0	$-(0) - 6 = -6$
1	$-(-1) - 6 = -7$
6	$-(6) - 6 = -12$
-2	$-(-2) - 6 = 2 - 6 = -4$

9. $y = 5$	
x	y
2	5
1	5
0	5
-1	5

10. $x = -3$	
x	y
-3	1
-3	2
-3	3
-3	4

11. $y = -x - 1$	
x	y
5	$-(5) - 1 = -6$
3	$-(3) - 1 = -4$
-1	$-(-1) - 1 = 1 - 1 = 0$
-3	$-(-3) - 1 = 3 - 1 = 2$

12. $y = -\frac{1}{2}x + 1$	
x	y
2	$-0.5(2) + 1 = 0$
-4	$-0.5(-4) + 1 = 3$
4	$-0.5(4) + 1 = -1$
-6	$-0.5(-6) + 1 = 4$