

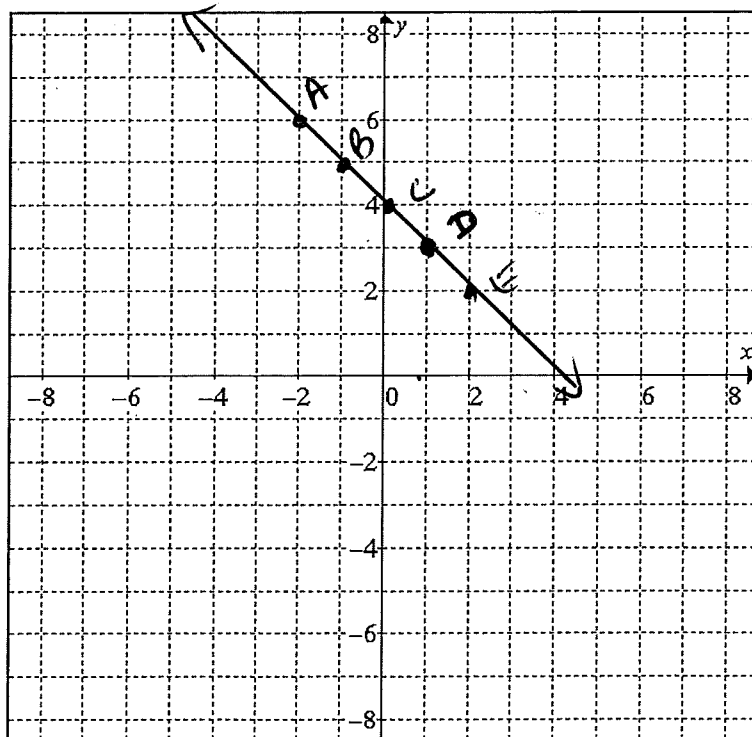
5.4 Ordered Pairs in Tables

Date: _____

Complete the table of values below and graph.

1.

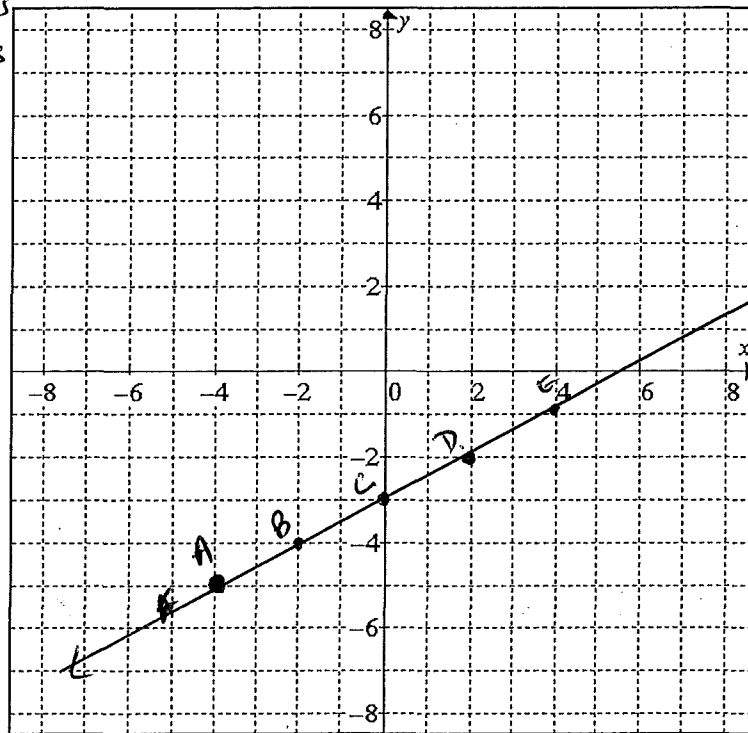
x	$y = -x + 4$	(x, y)	
-2	$y = -(-2) + 4 = 6$	$(-2, 6)$	A
-1	$y = -(-1) + 4 = 5$	$(-1, 5)$	B
0	$y = -0 + 4 = 4$	$(0, 4)$	C
1	$y = -1 + 4 = 3$	$(1, 3)$	D
2	$y = -2 + 4 = 2$	$(2, 2)$	E



2.

x	$y = \frac{1}{2}x - 3$	(x, y)	
-4	$y = \frac{1}{2}(-4) - 3 = -5$	$(-4, -5)$	A
-2	$y = \frac{1}{2}(-2) - 3 = -4$	$(-2, -4)$	B
0	$y = \frac{1}{2}(0) - 3 = -3$	$(0, -3)$	C
2	$y = \frac{1}{2}(2) - 3 = -2$	$(2, -2)$	D
4	$= -1$	$(4, -1)$	E

For x -coordinates
select multiples
of 2 to
avoid fractions.



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

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	-2
5	2
-4	-7
0	-3

3. $y = 4x$	
x	y
-2	-8
0	0
1.5	3
-1.75	-3.5

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

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

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

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

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

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

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

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

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

y can be anything!

Tables of Values

GRAPH #1:

Equations:

a) $y = 2x + 4$

x	y
-1	2
0	4
1	6
2	8

b) $y = 2x + 2$

x	y
-1	0
0	2
1	4
2	6

c) $y = 2x$

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

d) $y = 2x - 4$

x	y
-1	-6
0	-4
1	-2
2	0

GRAPH #2:

Equations:

a) $y = -2x + 4$

x	y
-1	6
0	4
1	2
2	0

b) $y = -2x + 1$

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

c) $y = -2x - 1$

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

d) $y = -2x - 5$

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

GRAPH #3:

Equations:

a) $y = 4x - 2$

x	y
-1	-6
0	-2
1	2
2	6

b) $y = 2x - 2$

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

c) $y = x - 2$

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

d) $y = \frac{1}{2}x - 2$

x	y
-1	-2.5
0	-2
1	-1.5
2	-1

GRAPH #4:

Equations:

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

x	y
-1	3.5
0	3
1	2.5
2	2

b) $y = -x + 3$

x	y
-1	4
0	3
1	2
2	1

c) $y = -2x + 3$

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

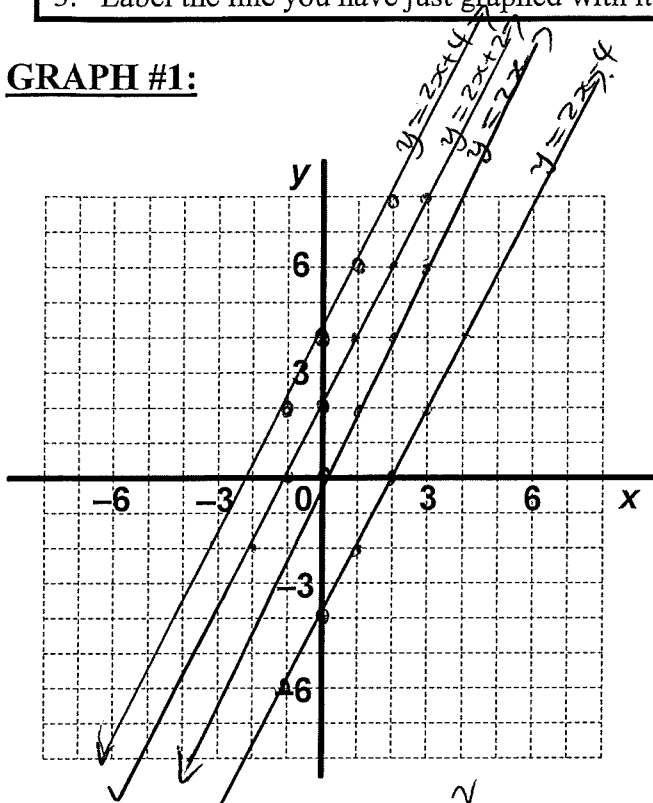
d) $y = -4x + 3$

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

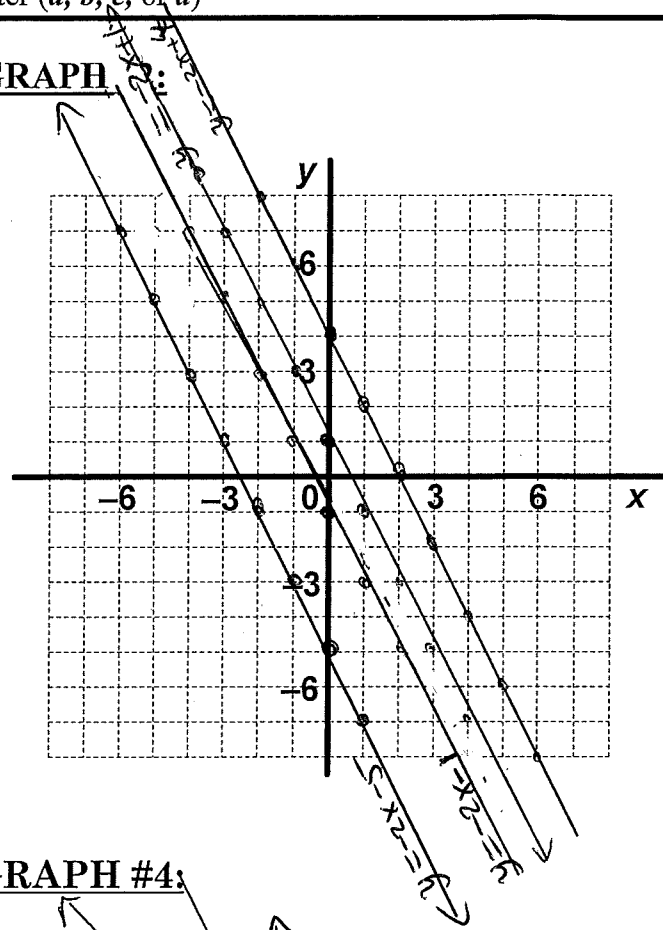
Graphs

1. Complete the Tables of Values for each equation.
2. Plot all 4 points from the Table of Values on the Graphs sheet, draw a line through these 4 points, extending the line edge-to-edge on the graph.
3. Label the line you have just graphed with its letter ($a, b, c,$ or d)

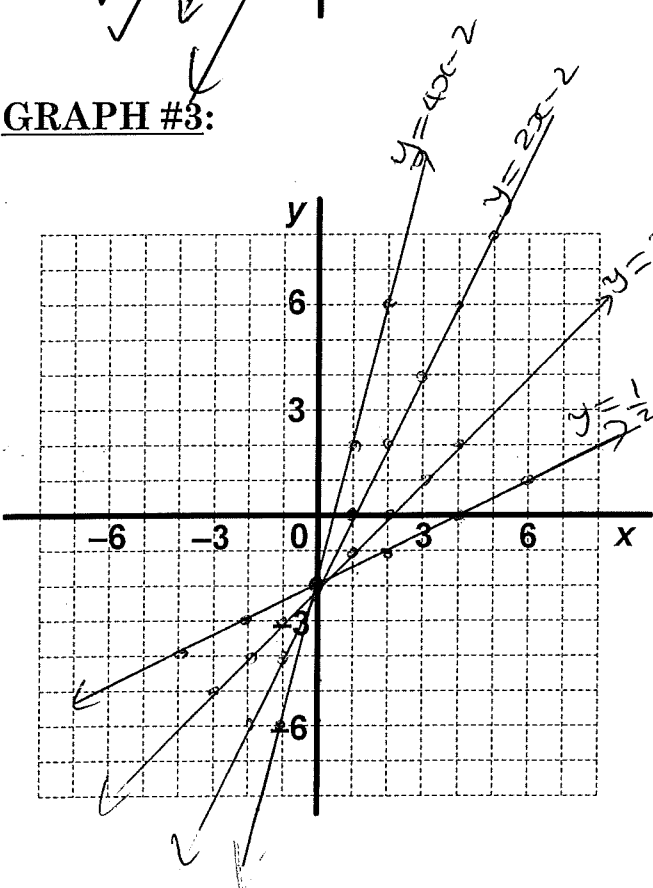
GRAPH #1:



GRAPH #2:



GRAPH #3:



GRAPH #4:

