Name: _____

Date: Thurs Nov 16th

Creating Patterning Rules

Last year you saw many tables of values (t-charts) and were asked to come up with the rule. Let's practice making some as a starting point.

Ex Equation: $x+1=y$ (Rule)

x (input)	Rule	y (output)
1	+1	2
2	+1	3
3	+1	4
4	+1	5
5	+1	6

BEDMAS

$5x+2=y$

x (input)	Rule	y (output)
1	x5+2	7
2	x5+2	12
3	x5+2	17
4	x5+2	22
5	x5+2	27

Equation: $x-5=y$

x (input)	Rule	y (output)
5	-5	0
3	-5	-2
1	-5	-4
-1	-5	-6
-3	-5	-8

Eqn $2x=y$

x (input)	Rule	y (output)
10	x2	20
20	x2	40
30	x2	60
40	x2	80
50	x2	100

Make up a rule and have your desk partner complete the output

x (input)	Rule	y (output)
1	-8	
2		
3		
4		
5		

Make up a rule and have your desk partner complete the output

x (input)	Rule	y (output)

Make up a rule and have your desk partner complete the output

x (input)	Rule	y (output)
15		
12		
9		
4		
1		

Make up a rule and have your desk partner complete the output

x (input)	Rule	y (output)

Complete the output and see if your desk partner can come up with the Rule

x (input)	Rule	y (output)
1	+5	6
2		7
3		8
4		9
5		10

Complete the output and see if your desk partner can come up with the Rule

x (input)	Rule	y (output)

Complete the output and see if your desk partner can come up with the Rule

x (input)	Rule	y (output)
0	$x\frac{5}{3}+2$	
3		
6		
12		
24		

Complete the output and see if your desk partner can come up with the Rule

x (input)	Rule	y (output)
4		11
8		19
		29
24		

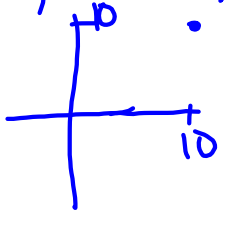
X	Rule	output
10	÷5-6	
20		
30		

Complete and give me the equation

X		Y
10	x1	10
11	x1	11
12	x1	12

$1x = y$

$x = y$



$x + 3 = y$

Opener of the day : Graph the table of values on the grid beside

Plot and join these coordinates on the Cartesian grid to the right.

x	y
-2	1
-1	2
0	3
1	4
2	5

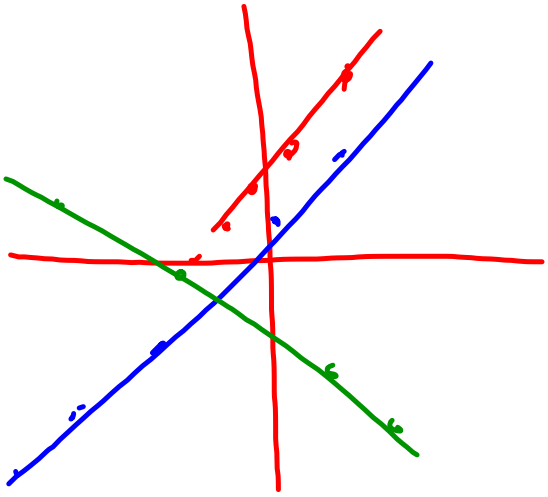
Thus Coordinates are:
(-2, 1)
(,)
(,)
(,)
(,)

$x + 2 = y$

In a different colour, plot and join these coordinates on the same Cartesian grid

x	y
~~-10~~ -9	~~-8~~ -7
-8	-6
-5	-3
0	2
3	5

Thus Coordinates are:
(,)
(,)
(,)
(,)
(,)



Opener of the day : Graph the table of values on the grid beside

Plot and join these coordinates on the Cartesian grid to the right.

x	y
-2	1
-1	2
0	3
1	4
2	5

Thus Coordinates are:
(,)
(,)
(,)
(,)
(,)

In a different colour, plot and join these coordinates on the same Cartesian grid

x	y
-10	-8
-8	-6
-5	-3
0	2
3	5

Thus Coordinates are:
(,)
(,)
(,)
(,)
(,)