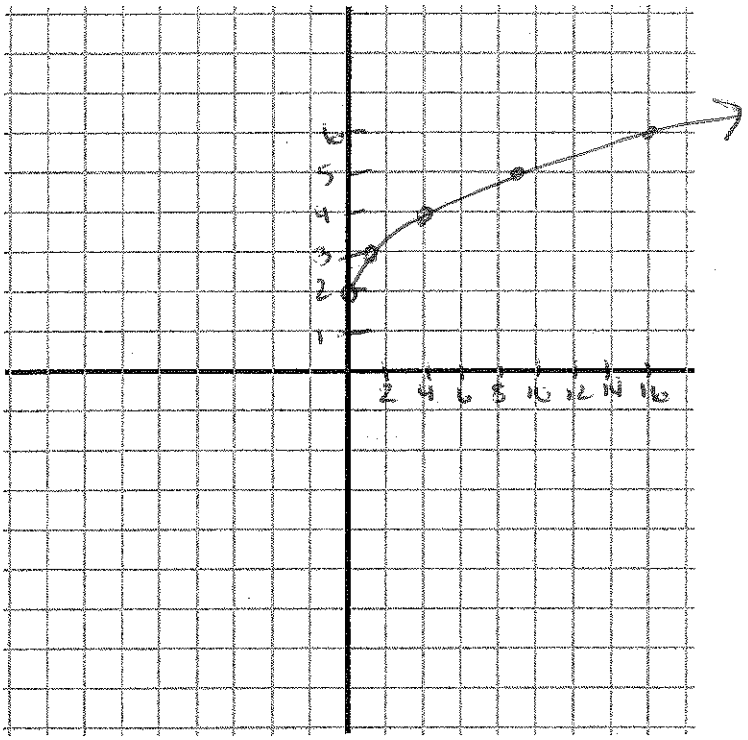
NAME_____

Rules!

1. $y = \sqrt{x} + 2$

x	y
0	2
1	3
4	4
9	5
16	6



2. $y = |x + 2|$

$|-5+2| = 3$

$|-4+2| = 2$

$|-3+2| = 1$

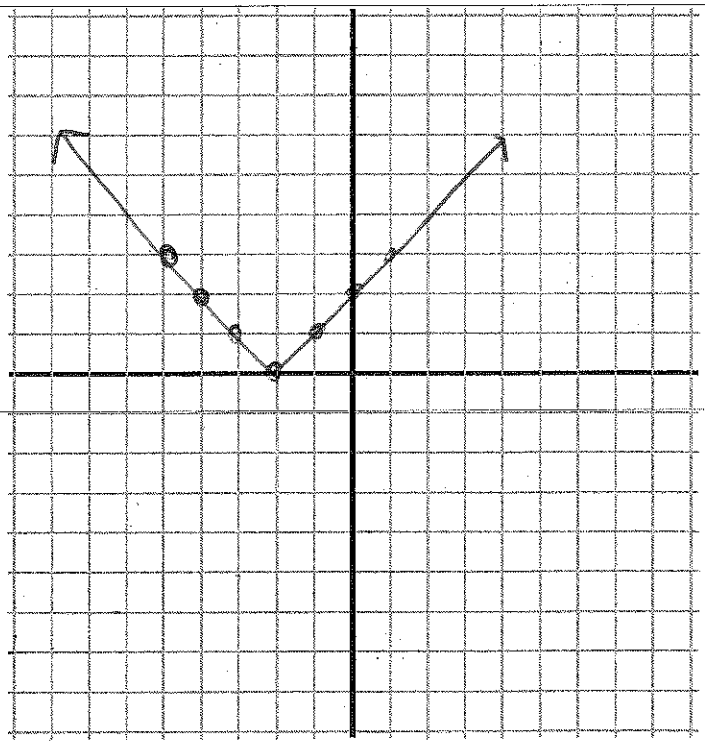
$|-2+2| = 0$

$|-1+2| = 1$

$|0+2| = 2$

$|1+2| = 3$

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



3. $y = x^3$

x	y
-5	-125
-3	-27
-1	-1
0	0
1	1
3	27
5	125

$(-5)^3 = -125$

$(-3)^3 = -27$

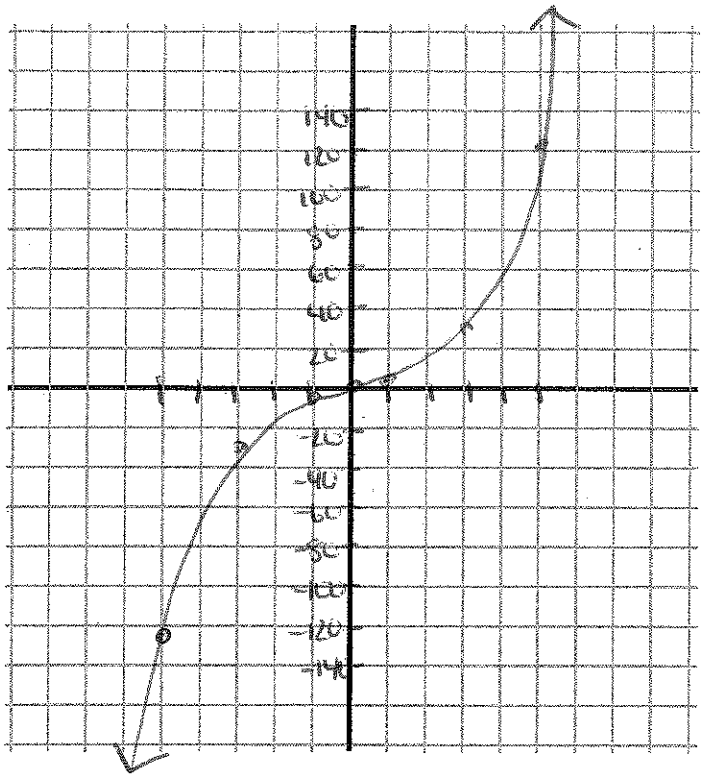
$(-1)^3 = -1$

$(0)^3 = 0$

$1^3 = 1$

$3^3 = 27$

$5^3 = 125$



4. $y = -x^2$

x	y
-5	-25
-3	-9
-1	-1
0	0
1	-1
3	-9
5	-25

$-(-5)^2$

-25

$-(-3)^2$

-9

$-(-1)^2$

-1

-0^2

0

-1^2

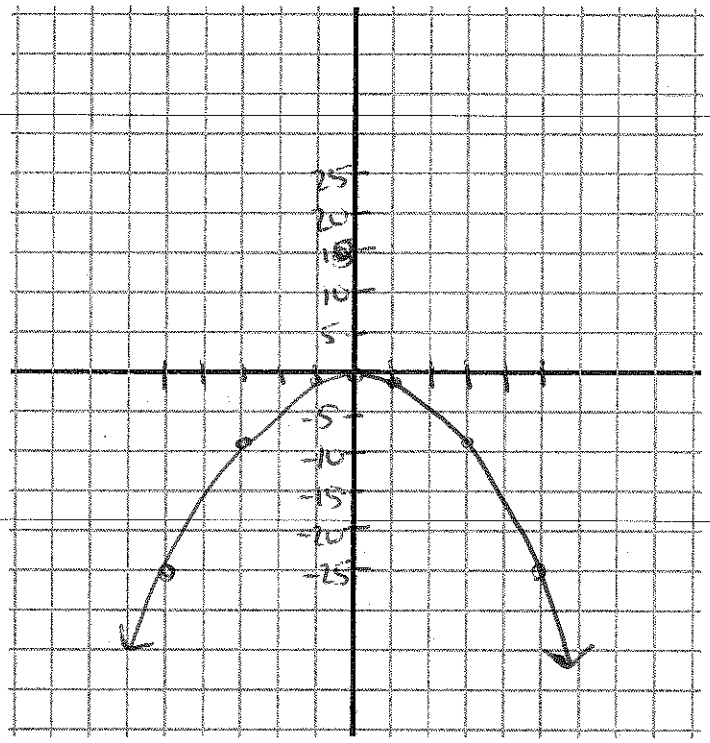
-1

$-(3)^2$

-9

-5^2

-25



5. $y = -2x + 5$

x	y
-5	15
-3	11
-1	7
0	5
1	3
3	-1
5	-5

$-2(-5)+5$
$10+5$
15

$-2(-3)+5$
$6+5$
11

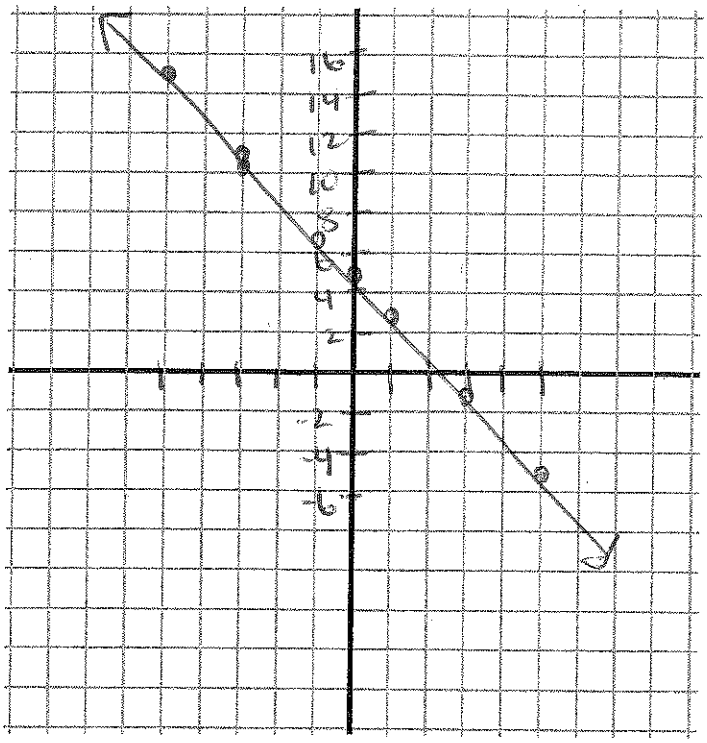
$-2(-1)+5$
$2+5$
7

$-2(0)+5$
$0+5$
5

$-2(1)+5$
$-2+5$
3

$-2(3)+5$
$-6+5$
-1

$-2(5)+5$
$-10+5$
-5



6. $y = x^2 - 6$

x	y
-5	19
-3	3
-1	-5
0	-6
1	-5
3	3
5	19

$(-5)^2-6$
$25-6$
19

$(-3)^2-6$
$9-6$
3

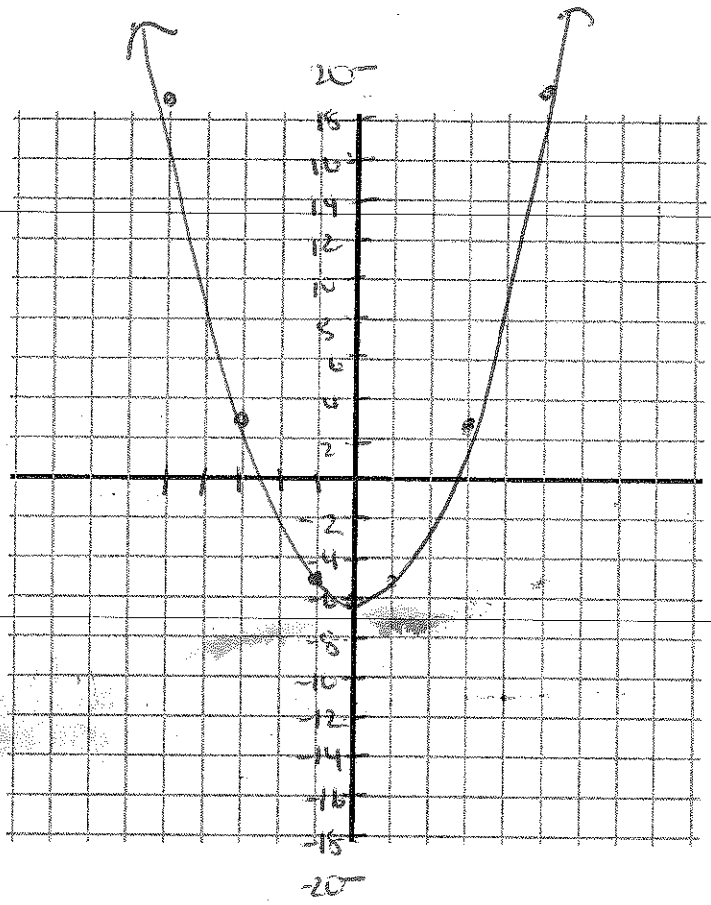
$(-1)^2-6$
$1-6$
-5

$(0)^2-6$
$0-6$
-6

$(1)^2-6$
$1-6$
-5

$(3)^2-6$
$9-6$
3

5^2-6
$25-6$
19



7. $y = 3^x$

x	y
0	1
1	3
2	9
3	27
4	81
5	243

$3^0 = 1$

$3^1 = 3$

$3^2 = 9$

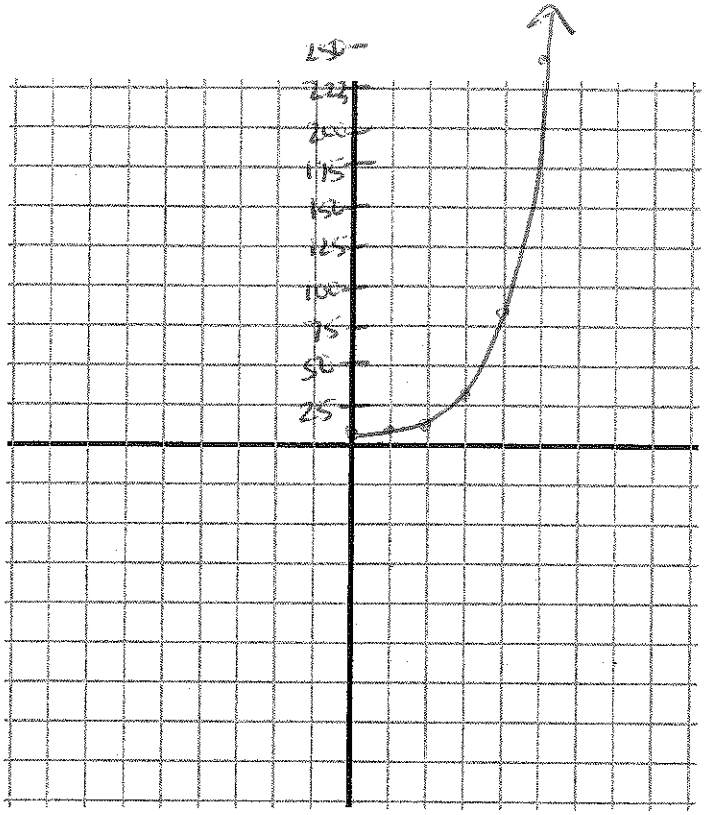
$3^3 = 27$

$3^4 = 81$

$3^5 = 243$

2
27
×3
81

81
×3
243



8. $y = x^3 + 2$

x	y
-5	-123
-3	-25
-1	1
0	2
1	3
3	29
5	127

$(-5)^3 + 2$
$-125 + 2$
-123

$(-3)^3 + 2$
$-27 + 2$
-25

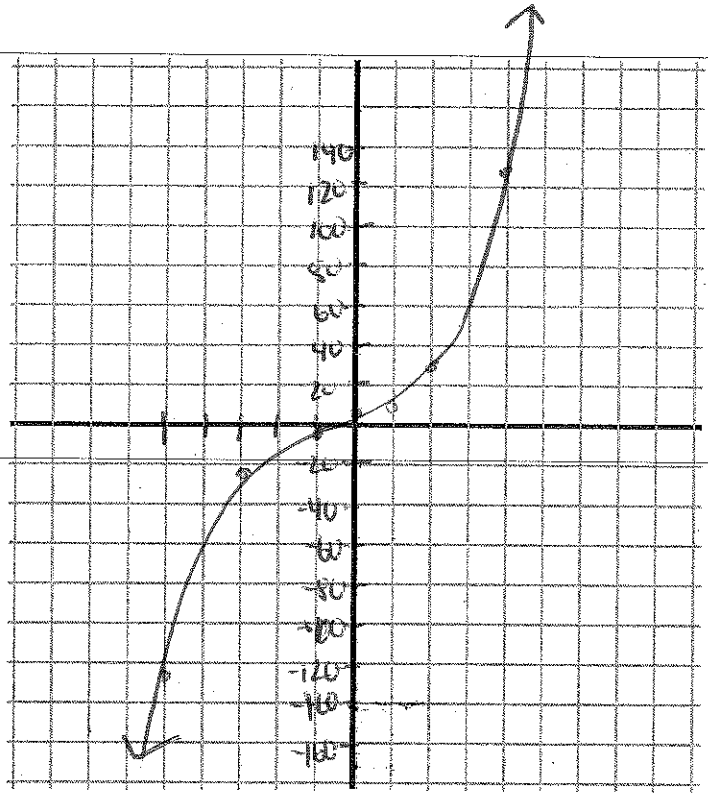
$(-1)^3 + 2$
$-1 + 2$
1

$0^3 + 2$
$0 + 2$
2

$(1)^3 + 2$
$1 + 2$
3

$(5)^3 + 2$
$125 + 2$
127

$3^3 + 2$
$27 + 2$
29



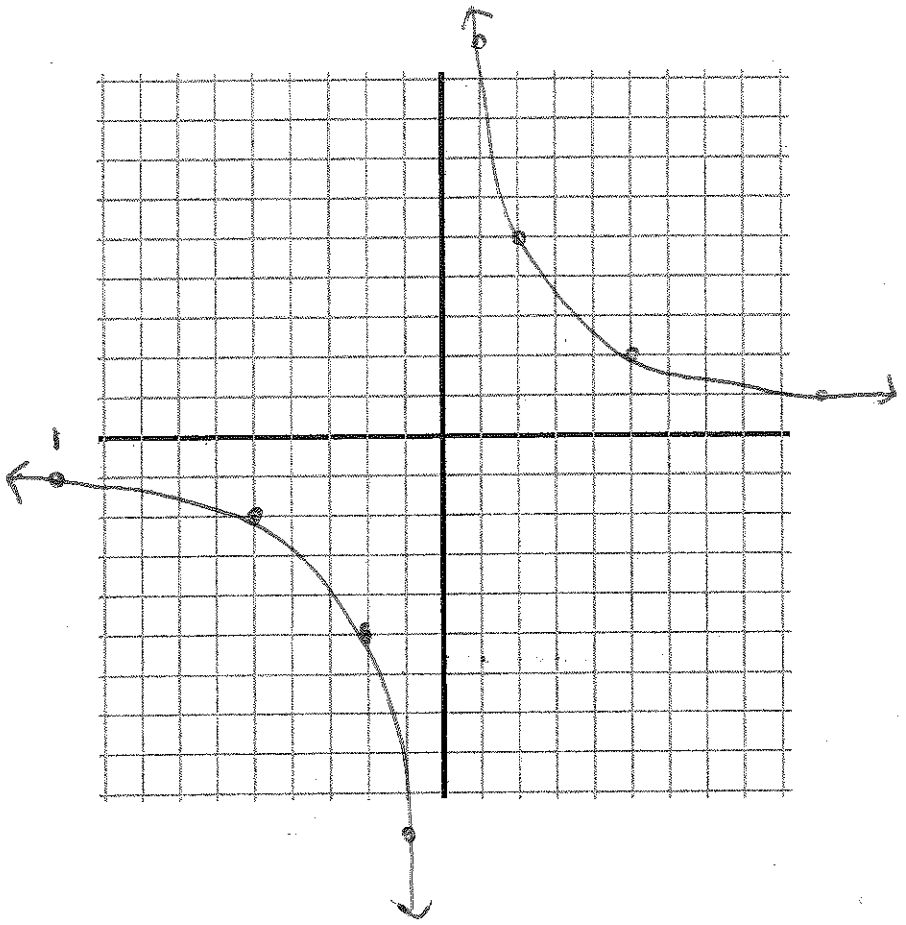
9. $y = \frac{10}{x}$

x	y
-10	-1
-5	-2
-2	-5
-1	-10
1	10
2	5
5	2
10	1

$\frac{10}{-10}$

$\frac{10}{-5}$

$\frac{10}{-2} = -5$



10. $y = \frac{20}{x}$

x	y
-10	-2
-5	-4
-2	-10
-1	-20
1	20
2	10
5	4
10	2