Tallery

Parent Graph Graphic Organizer

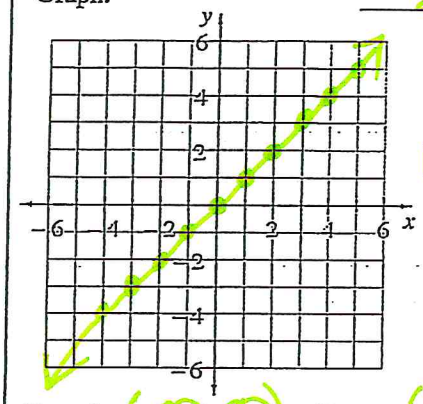
Parent Graph Family: linear

Equation: $f(x) = x$

Table:

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

Graph:



int (0,0)

Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$

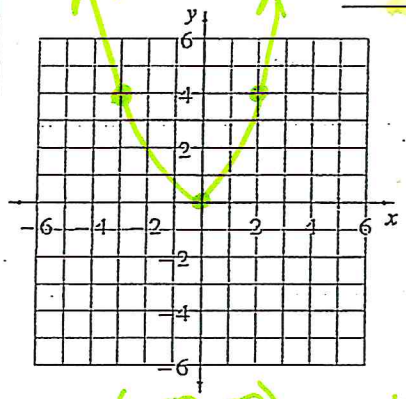
Locator point:

Parent Graph Family: Quadratic

Equation: $f(x) = x^2$

Table:

x	y
-3	9
-2	4
-1	1
0	0
1	1
2	4
3	9



int (0,0)

Domain: $(-\infty, \infty)$ Range: $y \geq 0$

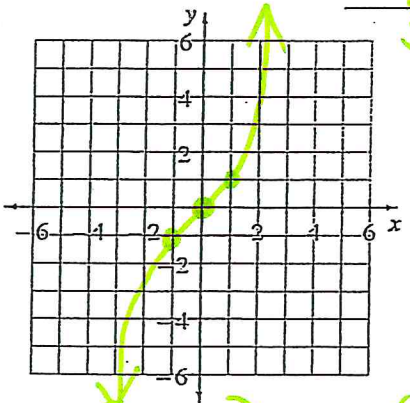
Locator point:

Parent Graph Family: Cubic

Equation: $f(x) = x^3$

Table:

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



int (0,0)

Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$

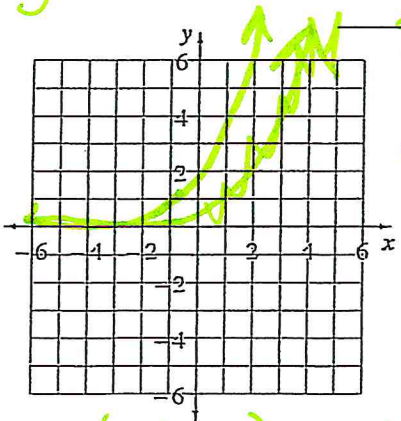
Locator point:

Parent Graph Family: Exp (growth)

Equation: $y = 2^x$

Table:

x	y
-3	.125
-2	.25
-1	.5
0	1
1	2
2	4
3	8



Asymptote $y = 0$

intercept (0,1)

Domain: $(-\infty, \infty)$ Range: $y > 0$ $(0, \infty)$

Locator point: