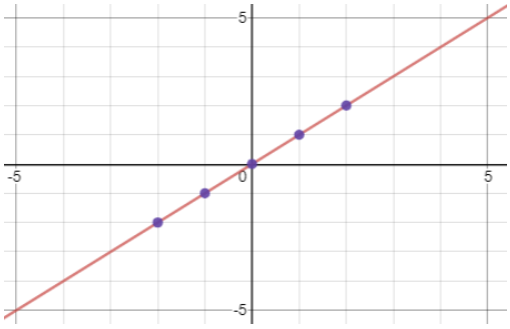
Linear

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

Equation: $f(x) = x$



Domain: (-∞,∞)

Range: (-∞,∞)

Increasing: (-∞,∞)

Decreasing: none

Max: none

Min: none

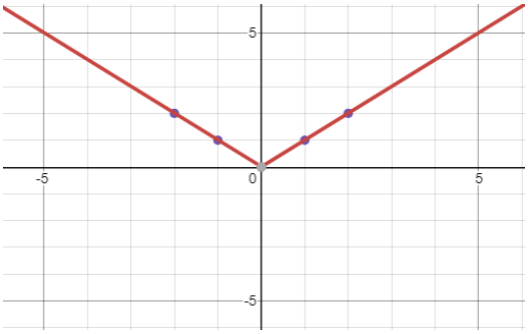
Left End Behavior: x→-∞, y→-∞

Right End Behavior: x→∞, y→∞

Absolute Value

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

Equation: $f(x) = |x|$



Domain: (-∞,∞)

Range: (0,∞)

Increasing: (0,∞)

Decreasing:(-∞,0)

Max: none

Min: (0,0)

Left End Behavior:

x→-∞, y→∞

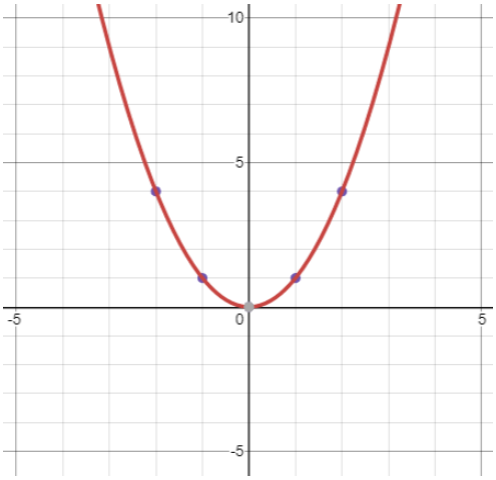
Right End Behavior:

x→∞, y→∞

Quadratic

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

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



Domain: (-∞,∞)

Range: (0,∞)

Increasing: (0,∞)

Decreasing: (-∞,0)

Max: none

Min: (0,0)

Left End Behavior:

x→-∞, y→∞

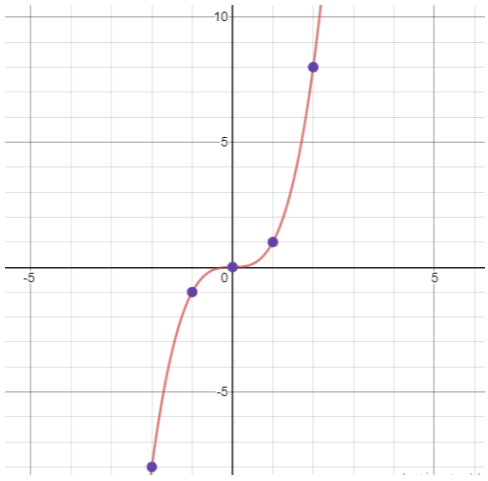
Right End Behavior:

x→∞, y→∞

Cubic

x	y
0	0
1	1
2	8
-1	-1
-2	-8

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



Domain: (-∞,∞)

Range: (-∞,∞)

Increasing: (-∞,∞)

Decreasing: none

Max: none

Min: none

Left End Behavior:

x→-∞, y→-∞

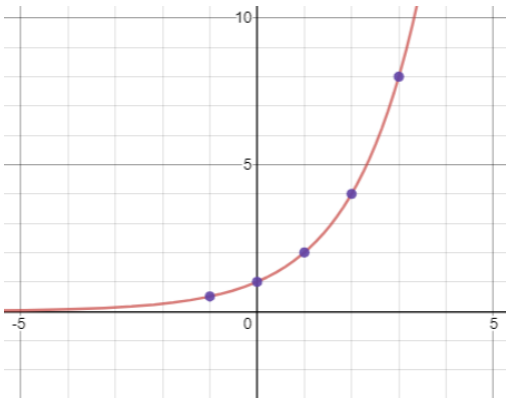
Right End Behavior:

x→∞, y→∞

Exponential

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

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



Domain: (-∞,∞)

Range: (0,∞)

Increasing: (-∞,∞)

Decreasing: none

Max: none

Min: none

Left End Behavior:

x→-∞, y→ 0

Right End Behavior:

x→∞, y→∞