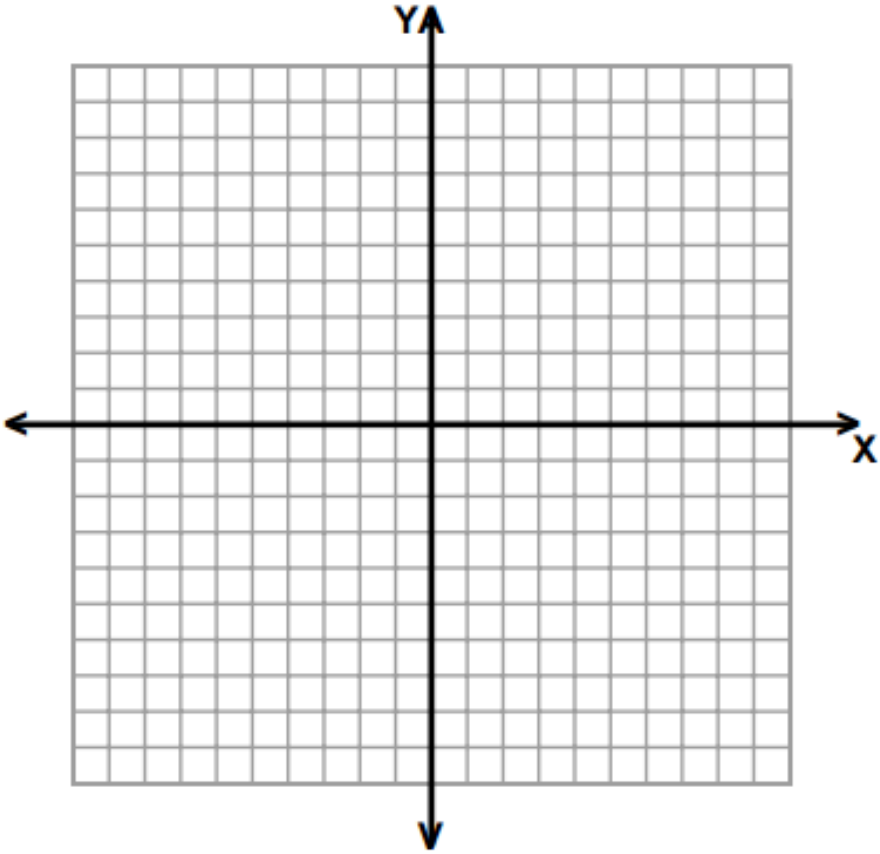
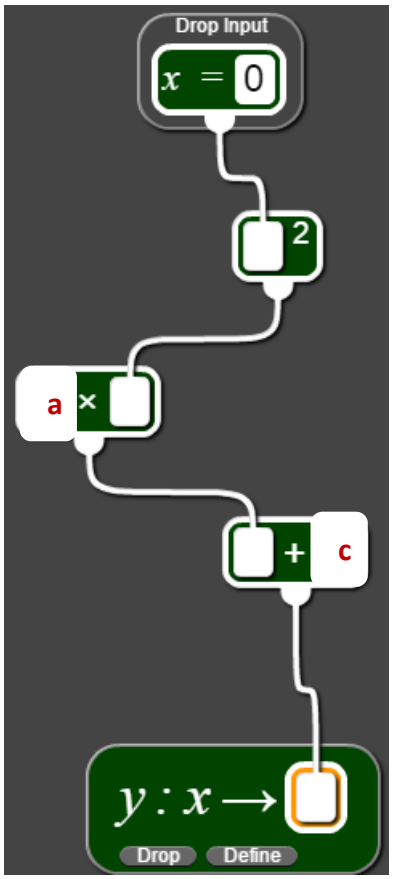
Quadratic I : $y = ax^2 + c$





When a = 1 and c = 0

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

When a = and c = 0

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

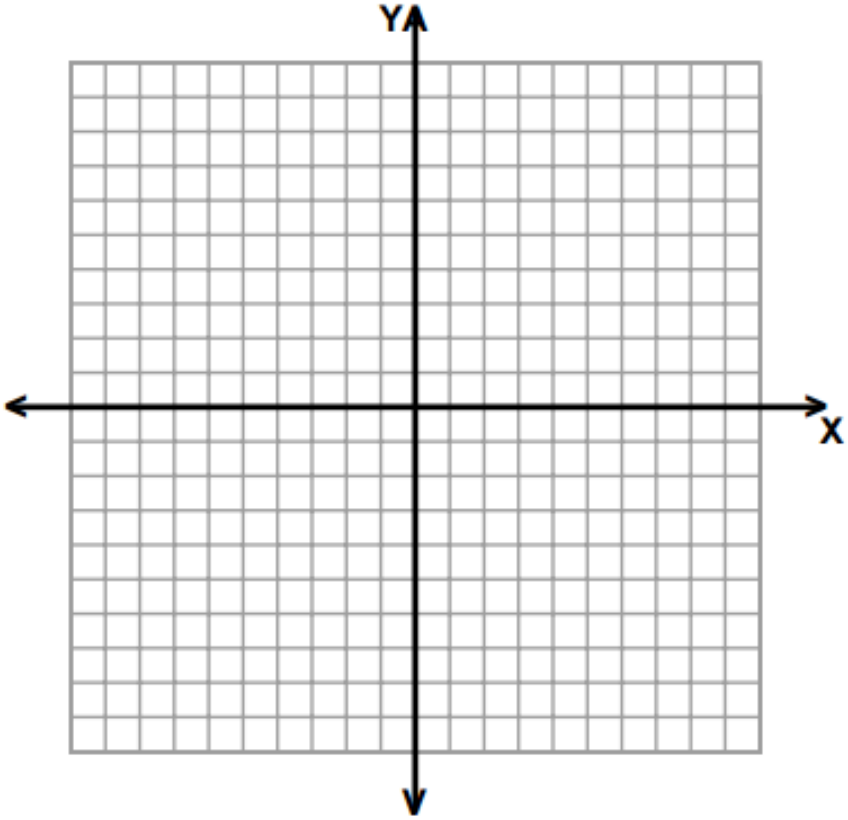
When a = 1 and c =

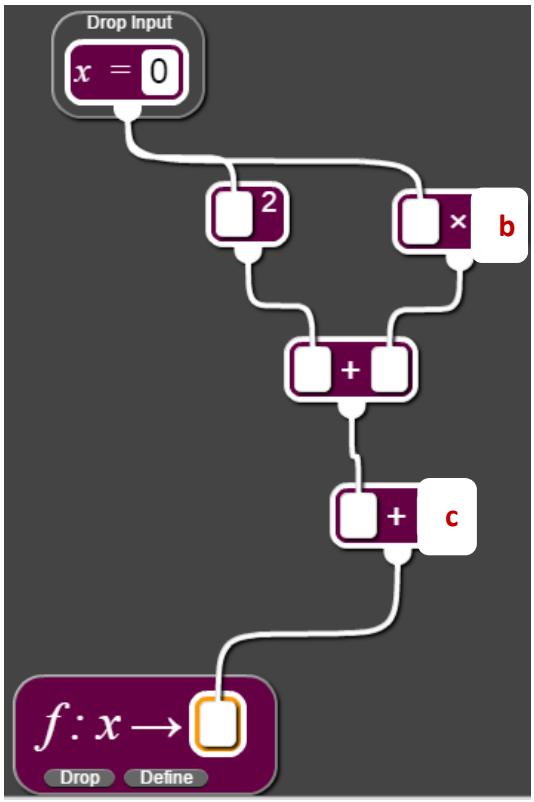
x	-4	-3	-2	-1	0	1	2	3	4
y									

When a = and c =

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

Quadratic II : $y = x^2 + bx + c$





When b = 1 and c = 0

x	-6	-5	-4	-3	-2	-1	0	1	2
y									

When b = and c = 0

x	-6	-5	-4	-3	-2	-1	0	1	2
y									

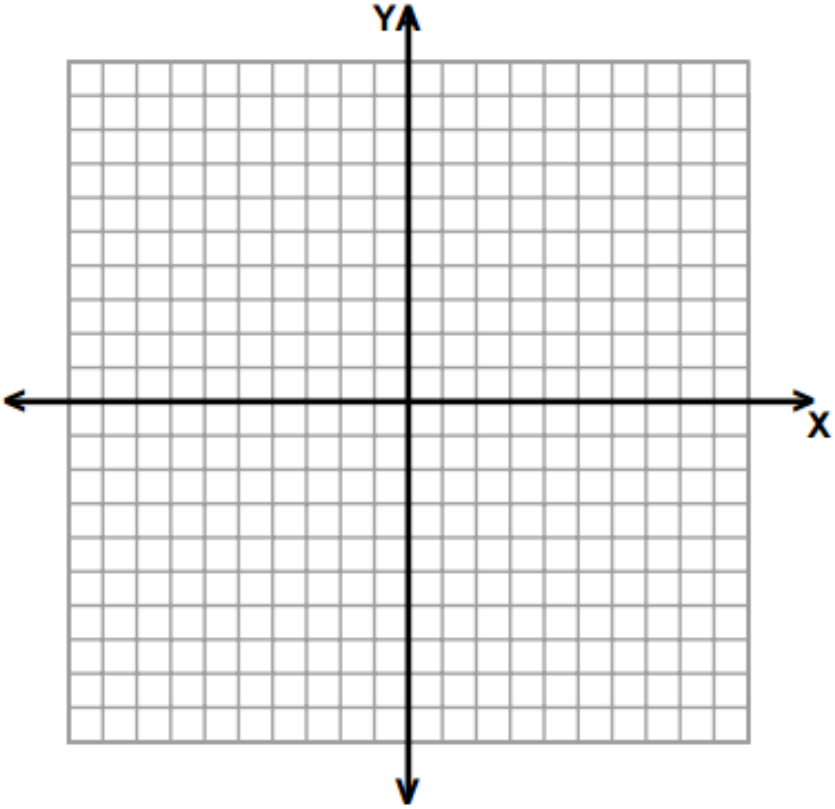
When b = 1 and c =

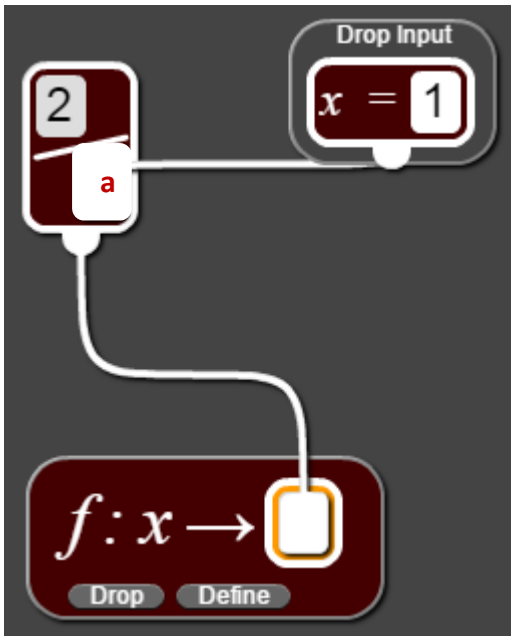
x	-6	-5	-4	-3	-2	-1	0	1	2
y									

When b = and c =

x	-6	-5	-4	-3	-2	-1	0	1	2
y									

Rational : y = a / x





When a = 1

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

When a =

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

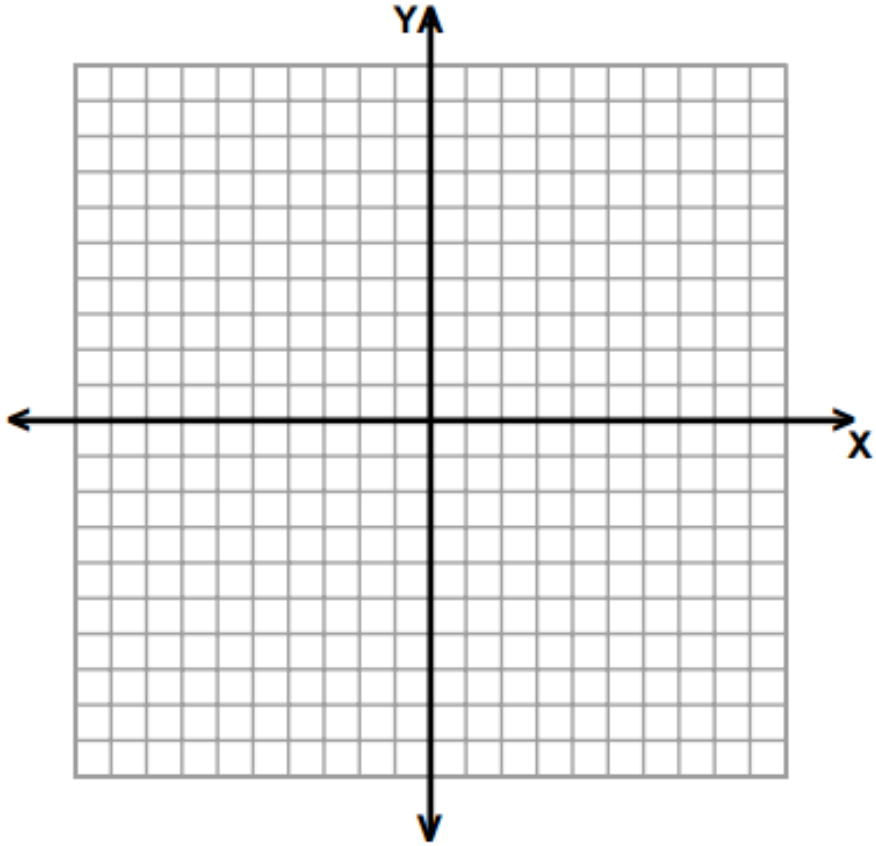
When a =

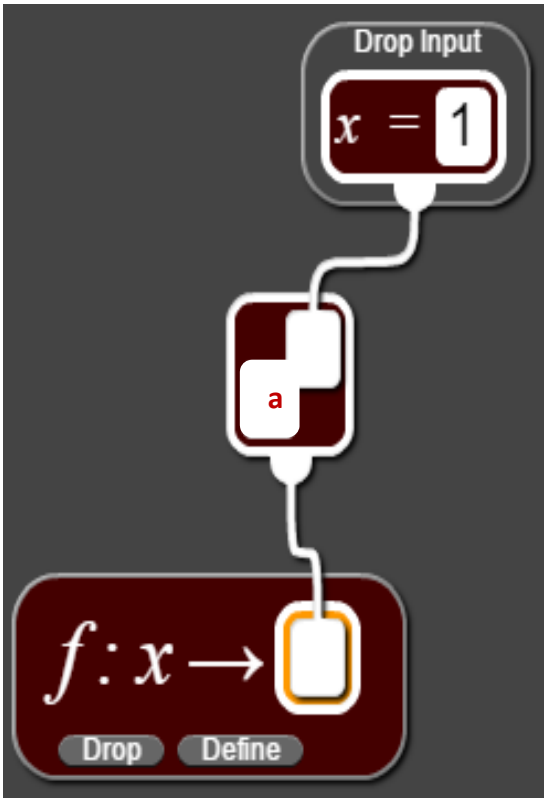
x	-4	-3	-2	-1	0	1	2	3	4
y									

When a = (negative value)

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

Exponential : $y = a^x$





When a = 1

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

When a =

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

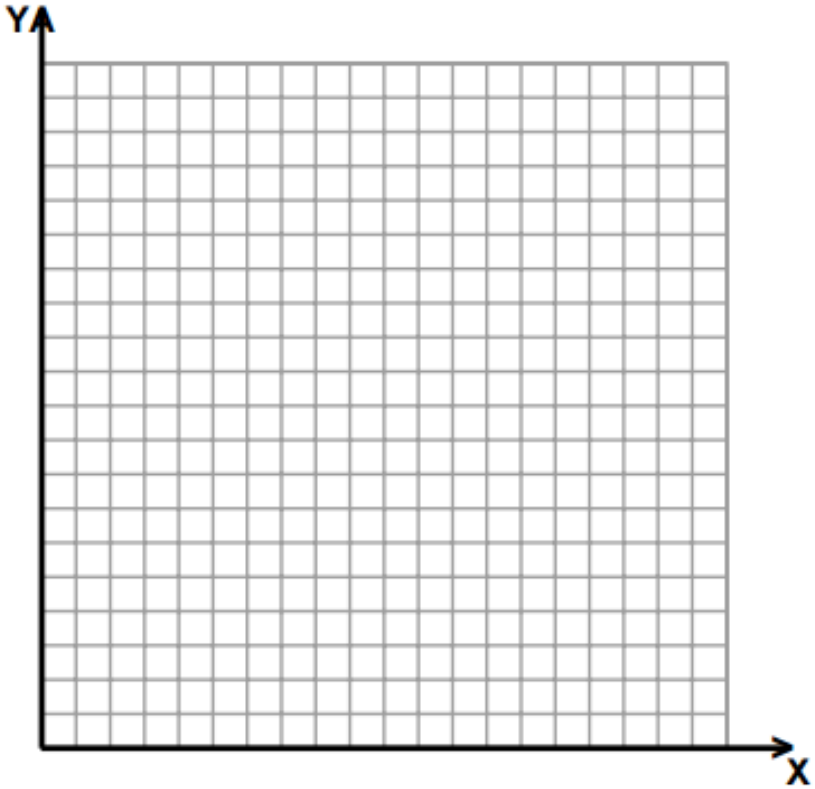
When a =

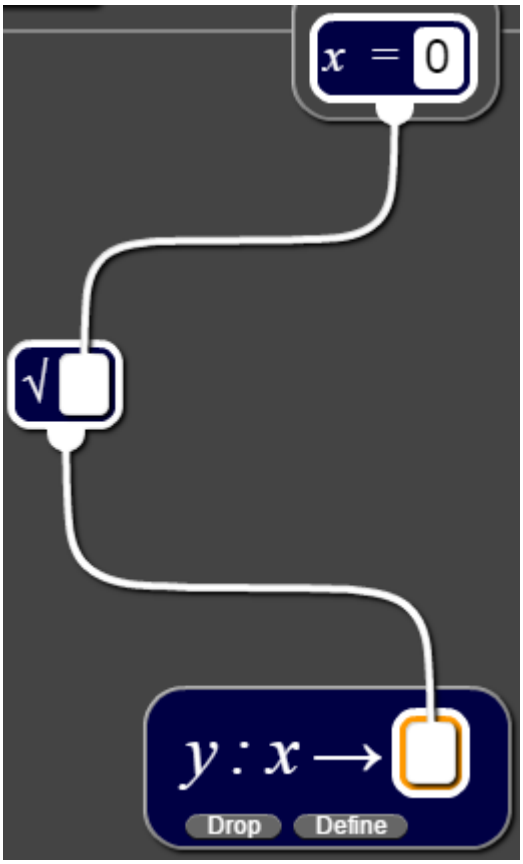
x	-4	-3	-2	-1	0	1	2	3	4
y									

When a = (negative value)

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

Square Root : y = √x



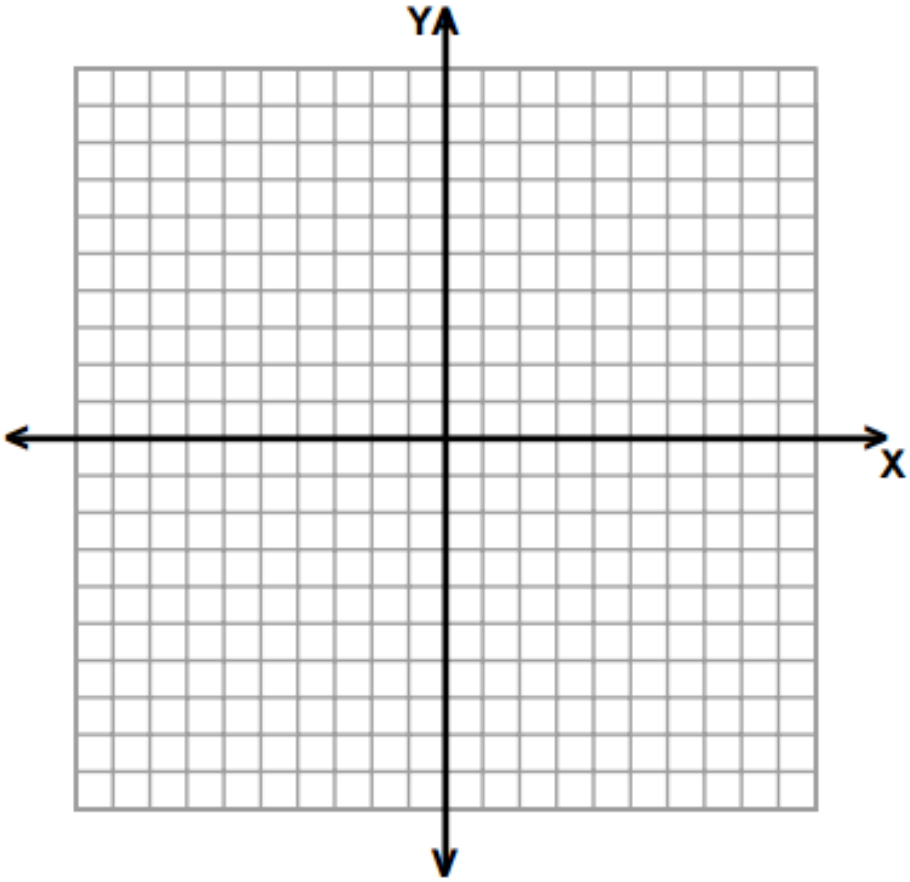


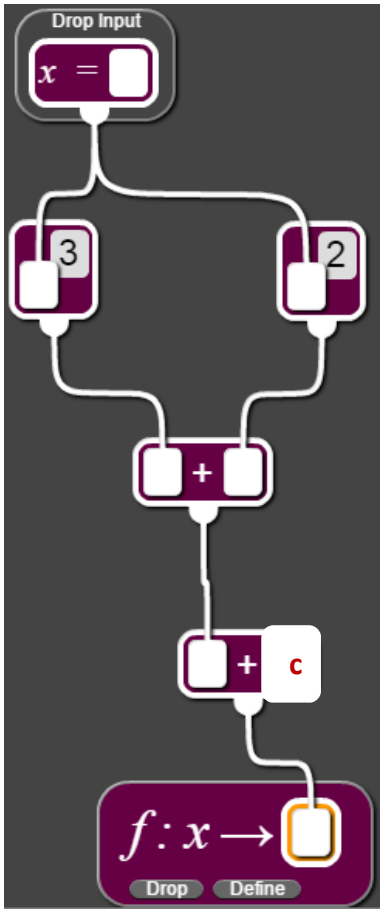
x	0	1	2	3	4	5	6	8	10
y									

x	12	16	20	30	40	50	75	100	150
y									

x	200	300	400	500	600	700	800	900	1000
y									

Cubic Polynomial : $y = x^3 + x^2 + c$





When c = 0

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

When c =

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

When c =

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

When c = (negative value)

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