

f(x) = x+2

input plus 2

f(x) = 2x

input times 2

f(x) = x²

input squared

f(x) = 2^x

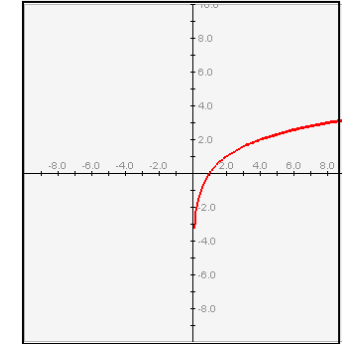
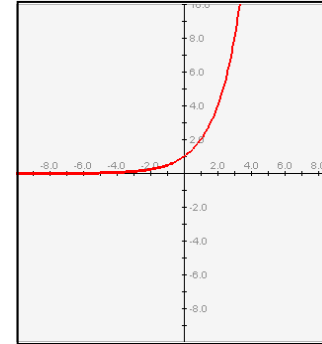
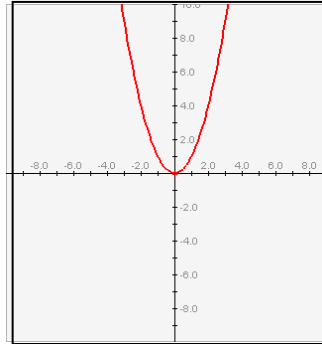
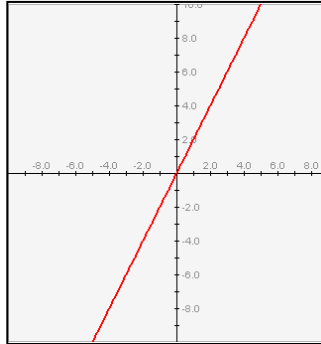
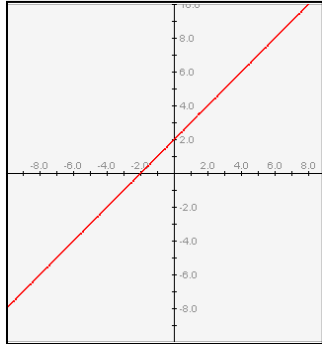
2 times itself input times 2 to the power of the input

f(x) = log₂x

the power of 2 that makes the result equal the input

x

1	3	2	1	2	0
2	4	4	4	4	1
3	5	6	9	8	1.584962501
4	6	8	16	16	2
5	7	10	25	32	2.321928095
6	8	12	36	64	2.584962501
7	9	14	49	128	2.807354922
8	10	16	64	256	3
9	11	18	81	512	3.169925001
10	12	20	100	1024	3.321928095
11	13	22	121	2048	3.459431619
12	14	24	144	4096	3.584962501
13	15	26	169	8192	3.700439718
14	16	28	196	16384	3.807354922
15	17	30	225	32768	3.906890596
16	18	32	256	65536	4



input You say, "12"

output I say, "14"

input ———••

output ———••••

12 + 2

You say, "12"

I say, "24"

————••

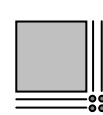
=====••

12 • 2

You say, "12"

I say, "144"

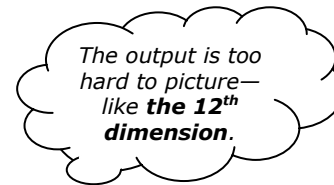
————••



12 • 12

You say, "12"

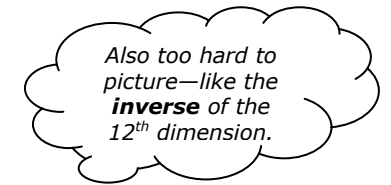
I say, "4096"



2¹²

You say, "12"

I say, "Between 3 and 4"



2^{3.584962501}