

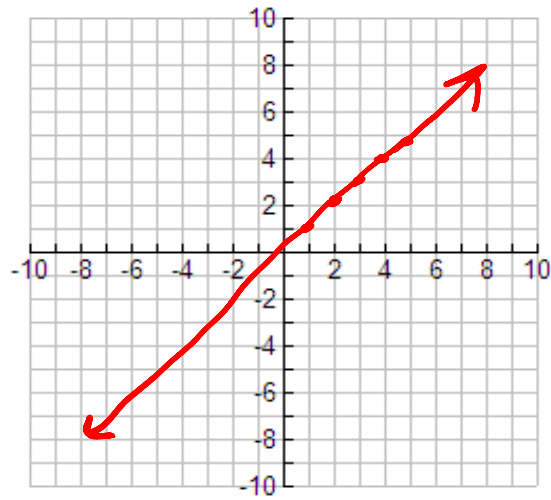
Func Day 2

Six basic functions Notes

Key

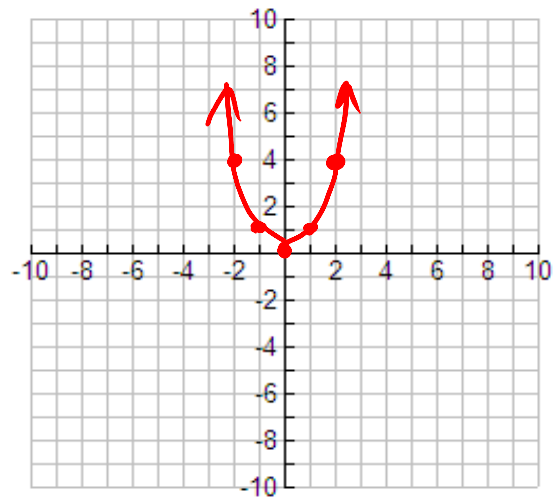
1) $f(x) = x$ (line)

x	f(x)
1	1
2	2
3	3
4	4
5	5



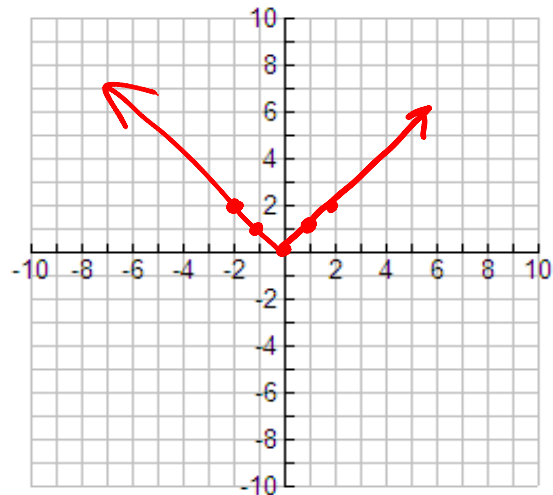
2) $f(x) = x^2$ (parabola)

x	f(x)
-2	4
-1	1
0	0
1	1
2	4



3) $f(x) = |x|$ ("V" shaped)

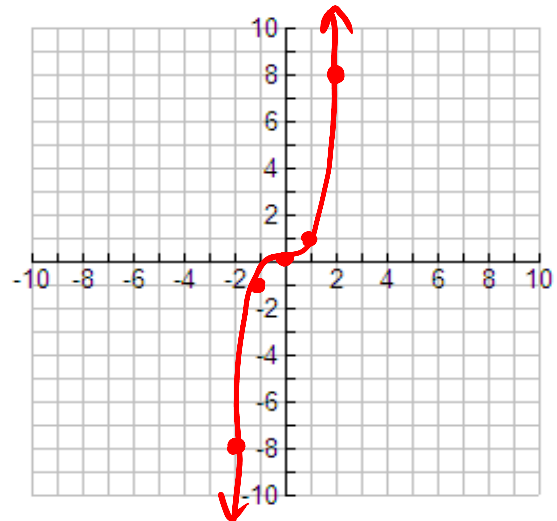
x	f(x)
-2	2
-1	1
0	0
1	1
2	2



4)

$$f(x) = x^3 \text{ ("S" shaped)}$$

x	f(x)
-2	-8
-1	-1
0	0
1	1
2	8

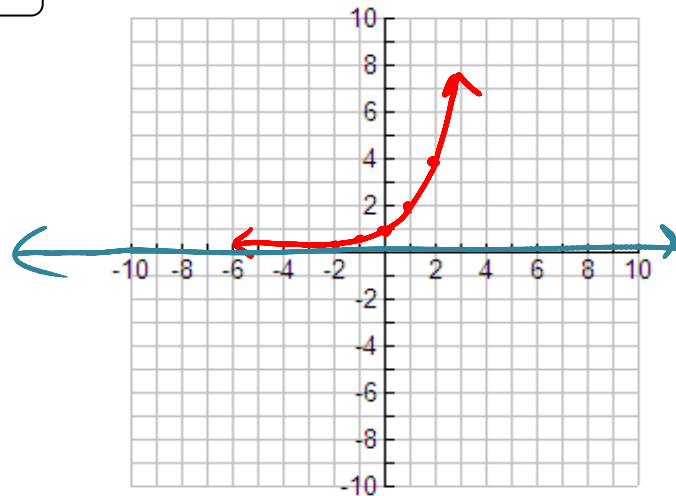


5)

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

x	f(x)
-2	.25
-1	.5
0	1
1	2
2	4

$\frac{1}{4}$
 $\frac{1}{2}$



← horizontal asymptote

6)

$$f(x) = \sqrt{x}$$

x	f(x)
0	0
1	1
4	2
9	3
16	4

