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

$$y = x^2$$

x	-2	-1	0	1	2
y	2	0.5	0	0.5	2

$$y = \frac{1}{2}x^2$$
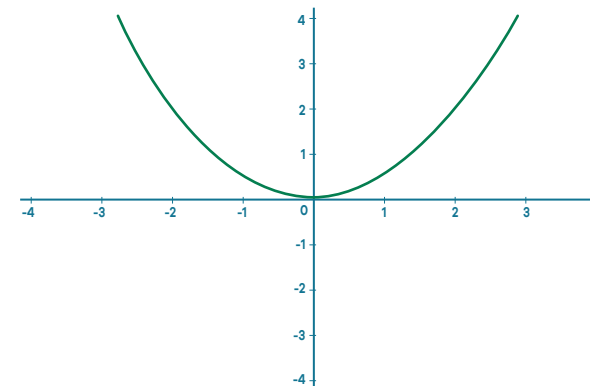
x	-2	-1	0	1	2
y	3	0	-1	0	3

$$y = x^2 - 1$$
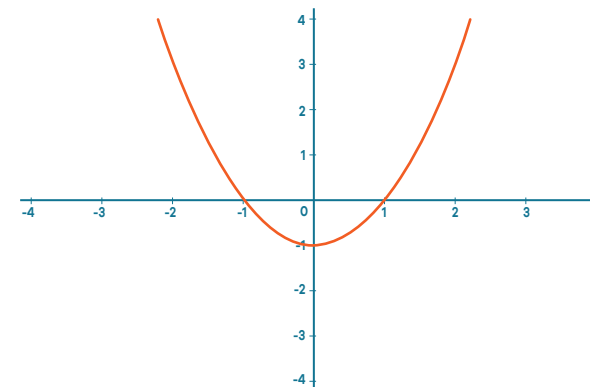
x	-2	-1	0	1	2
y	-4	-1	0	-1	4

$$y = -x^2$$
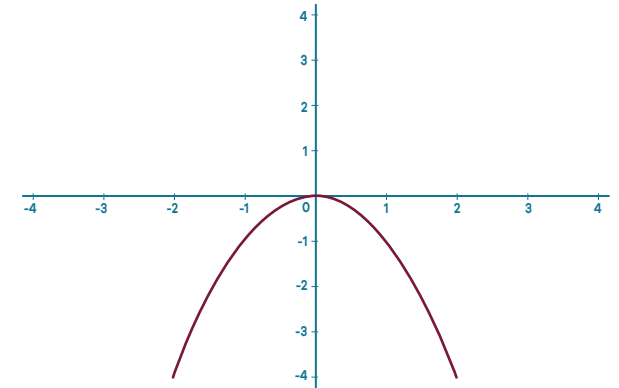
x	-1	0	1	2	3
y	4	1	0	1	

$$y = (x - 1)^2$$
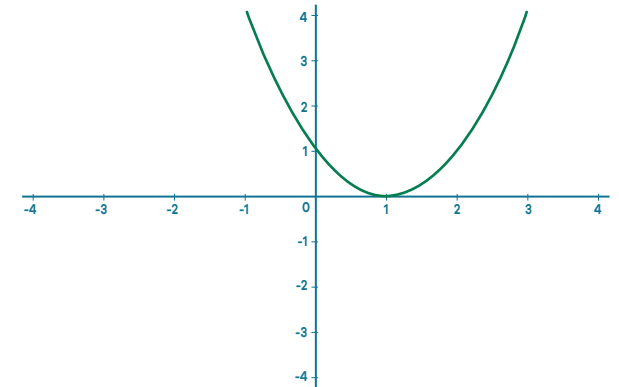
x	-4	-2	0	2	4
y	32	8	0	8	32

$$y = 2x^2$$
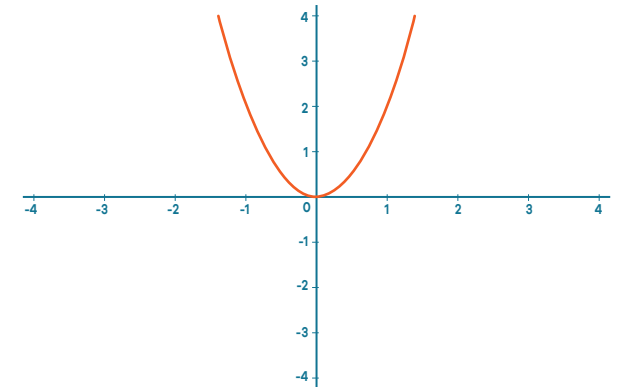
x	0	1	2	3	4
y	1	-1		-5	-7

$$y = -2x + 1$$
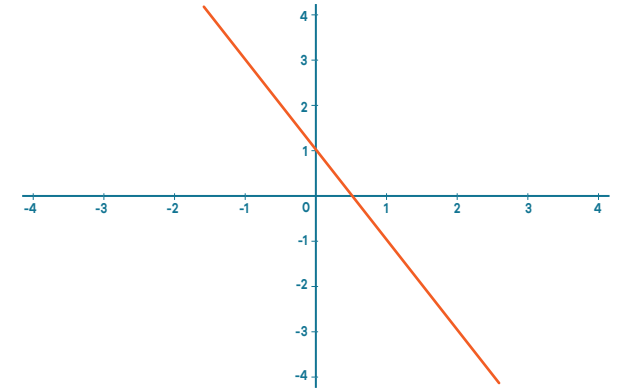
x	-2	-1	0	1	2
y	-3	-1	1	3	5

$$y = 2x + 1$$
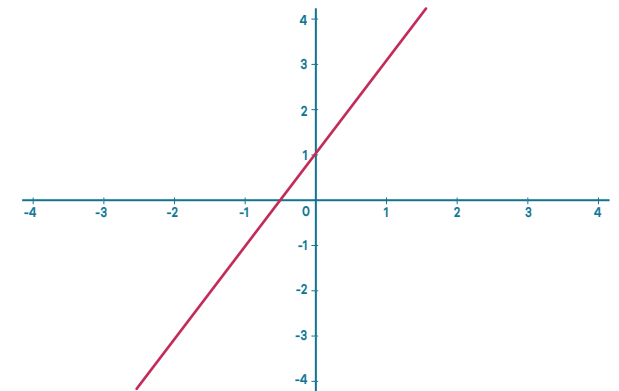
x	0	4	8	12	18
y	0	16	64	144	324

$$y = 2x$$
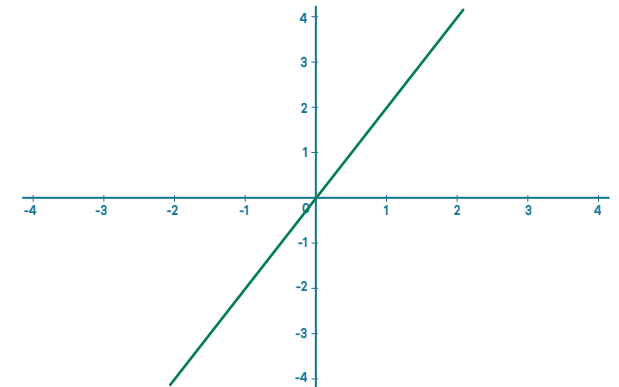
x	0	1	2		
y		4	7	10	13

$$y = 3x + 1$$
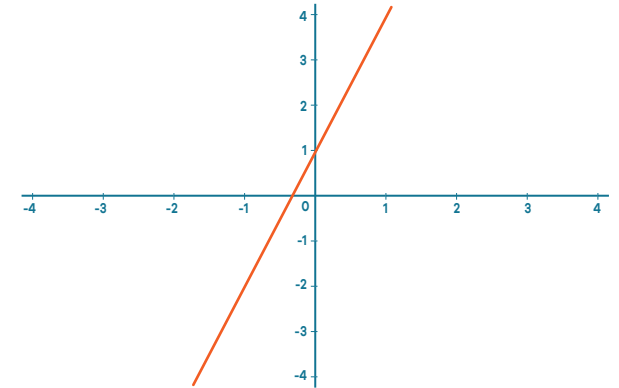
x			0	2	4
y			2	8	14

$$y = 3x + 2$$
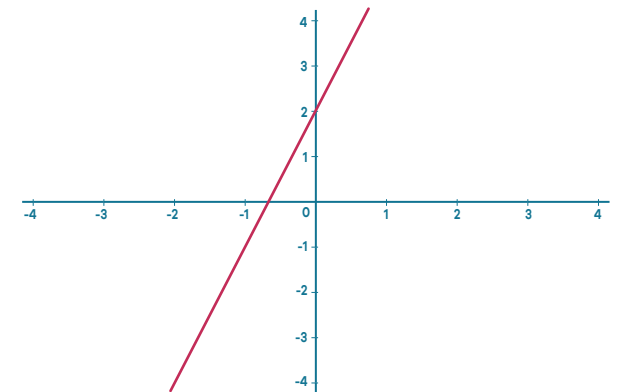
x	0		2	3	4
y	1	5	9	13	

$$y = 4x + 1$$
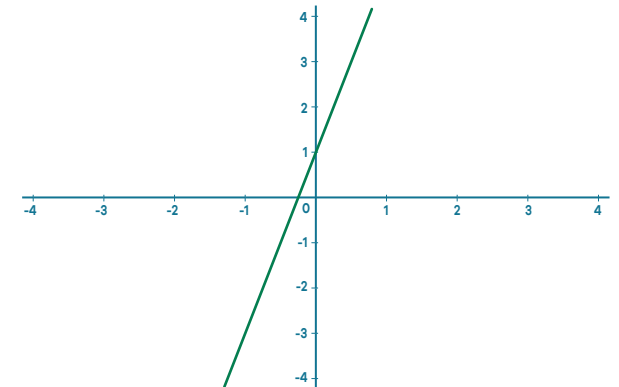
x	0	1	2	3	4
y	4	7	10		

$$y = 3x + 4$$
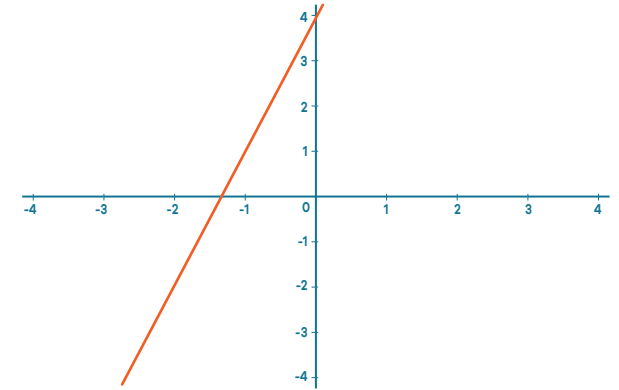
x	0	1	2	3	4
y	4	1	-2	-5	-8

$$y = -3x + 4$$

x	0		2		4
y	1	1.5	2	2.5	3

$$y = \frac{1}{2}x + 1$$