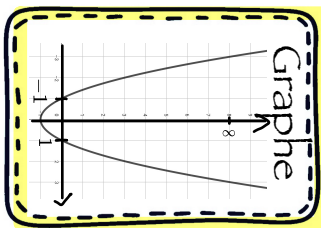


Équation

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

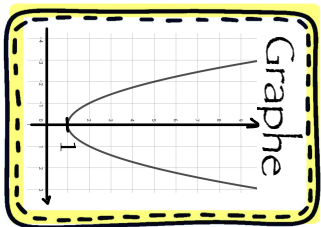
x	y
0	0
1	1
3	9



Équation

$$f(x) = x^2 - 1$$

x	y
0	-1
1	0
3	8

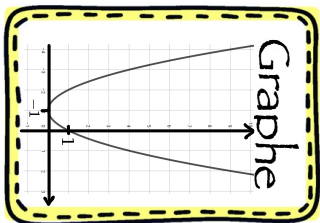


Équation

$$f(x) = x^2 + 1$$

x	y
0	1
1	2
3	10

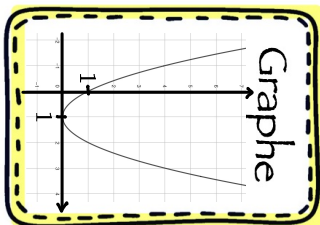




Équation

$$f(x) = (x + 1)^2$$

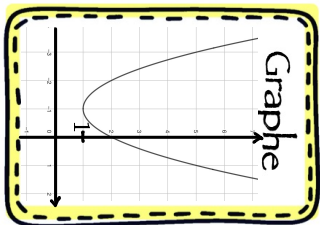
Sommet: (-1; 0)
 $f(0) = 1$
 convexe



Équation

$$f(x) = (x - 1)^2$$

Sommet: (1; 0)
 $f(0) = 1$
 convexe

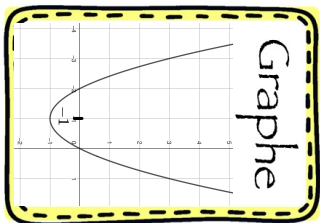


Équation

$$f(x) = (x + 1)^2 + 1$$

Sommet: (-1; 1)
 $f(0) = 2$
 convexe





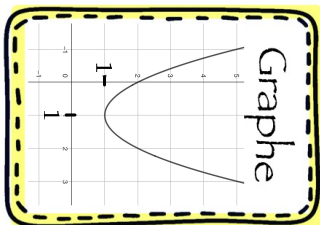
Équation

$$f(x) = (x + 1)^2 - 1$$

Sommet: (-1; -1)

$$f(0) = 0$$

convexe



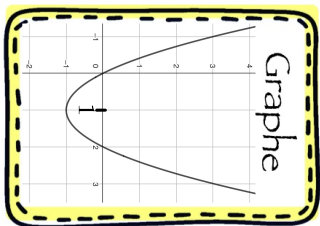
Équation

$$f(x) = (x - 1)^2 + 1$$

Sommet: (1; 1)

$$f(0) = 2$$

convexe



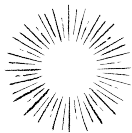
Équation

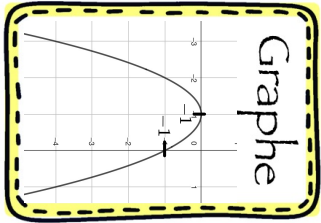
$$f(x) = (x - 1)^2 - 1$$

Sommet: (1; -1)

$$f(0) = 0$$

convexe

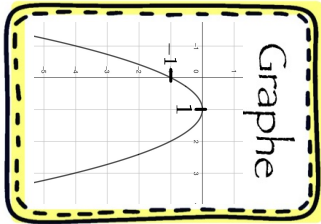




Équation

$$f(x) = -(x + 1)^2$$

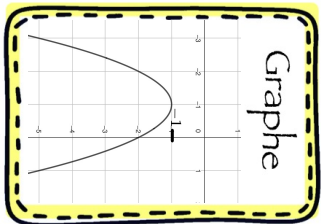
Sommet: (-1; 0)
 $f(0) = -1$
concave



Équation

$$f(x) = -(x - 1)^2$$

Sommet: (1; 0)
 $f(0) = -1$
concave

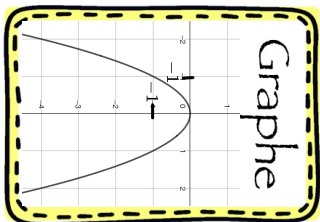


Équation

$$f(x) = -(x + 1)^2 - 1$$

Sommet: (-1; -1)
 $f(0) = -2$
concave



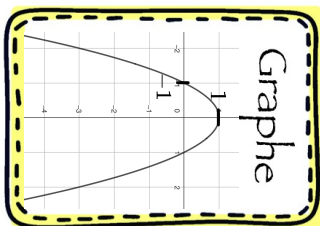


Équation

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

Sommet: (0; 0)

$f(1) = -1$
concave

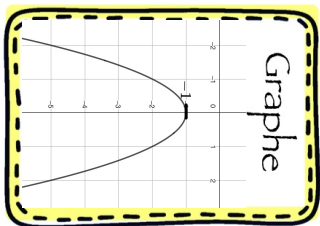


Équation

$$f(x) = -x^2 + 1$$

Sommet: (0; 1)

$f(1) = 0$
concave



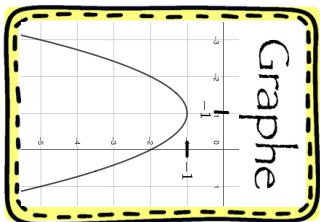
Équation

$$f(x) = -x^2 - 1$$

Sommet: (0; -1)

$f(1) = -2$
concave

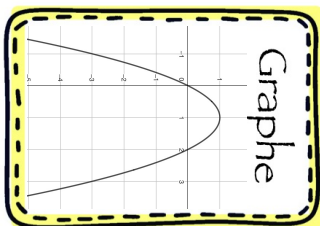




Équation

$$f(x) = -(x + 1)^2 - 1$$

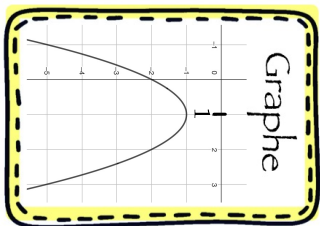
Sommet: (-1; -1)
 $f(0) = -2$
 concave



Équation

$$f(x) = -(x - 1)^2 + 1$$

Sommet: (1; 1)
 $f(0) = 0$
 concave



Équation

$$f(x) = -(x - 1)^2 - 1$$

Sommet: (1; -1)
 $f(0) = -2$
 concave

