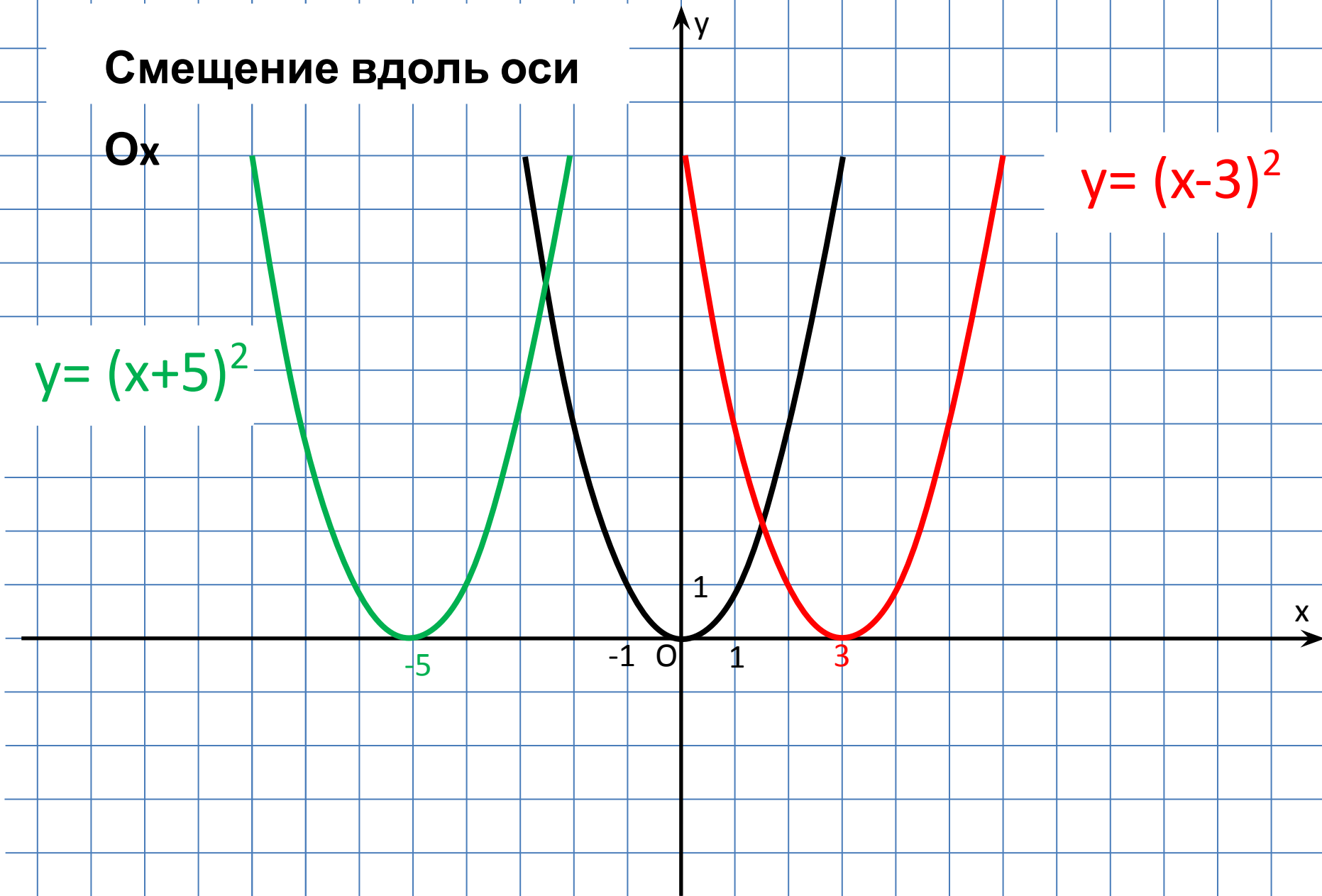


Смещение вдоль оси

Ox

$$y = (x+5)^2$$

$$y = (x-3)^2$$

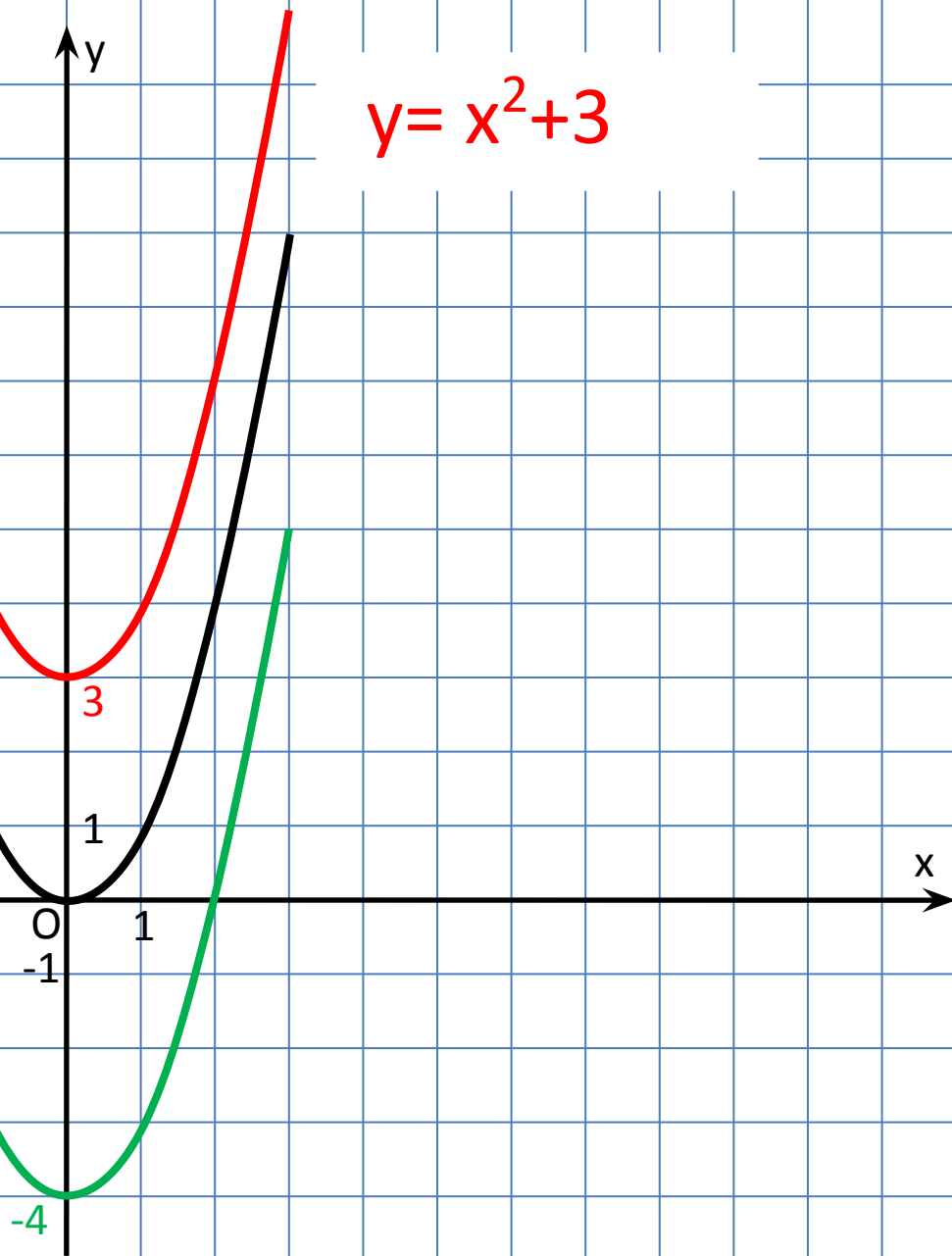


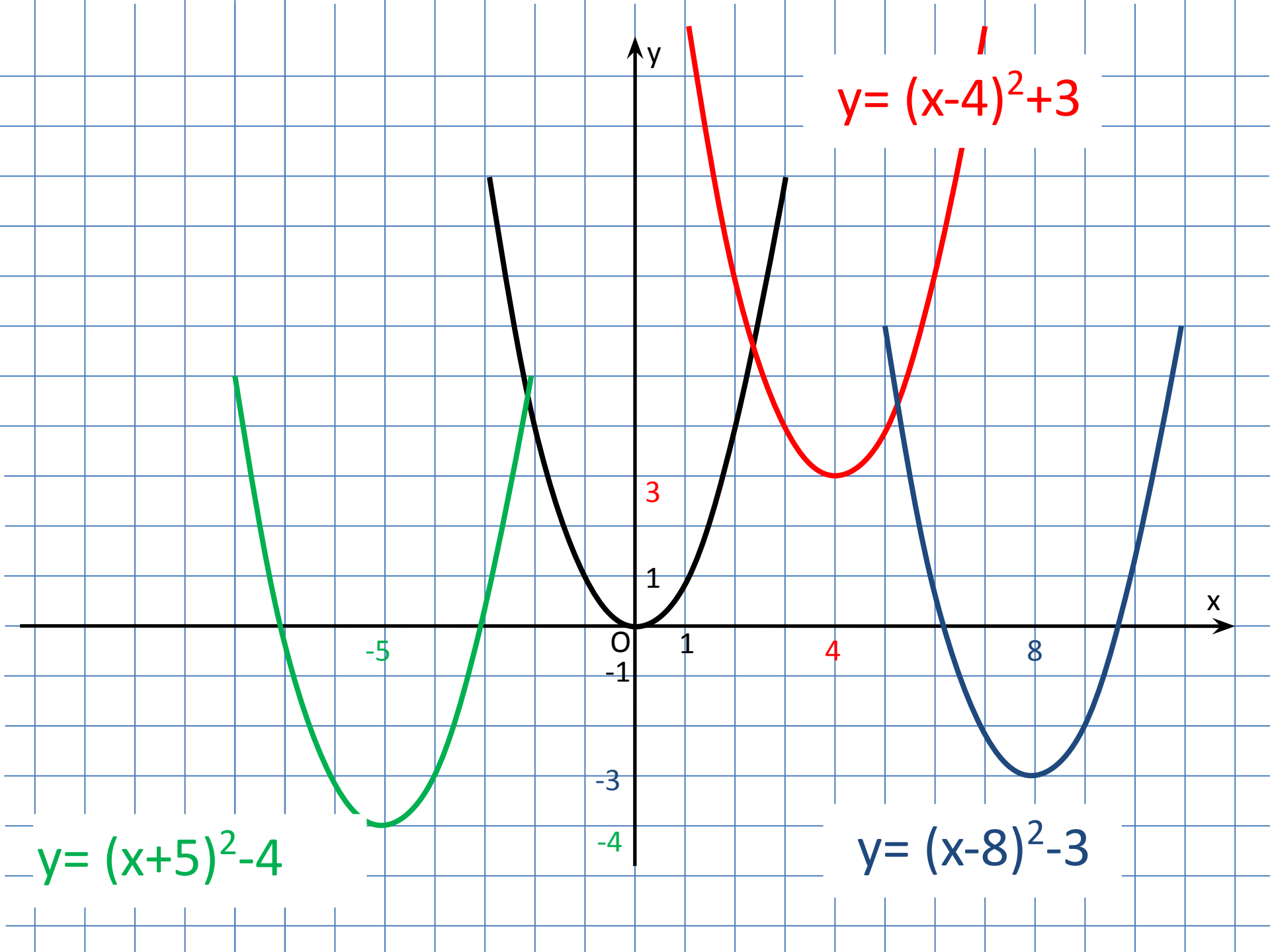
Смещение вдоль оси

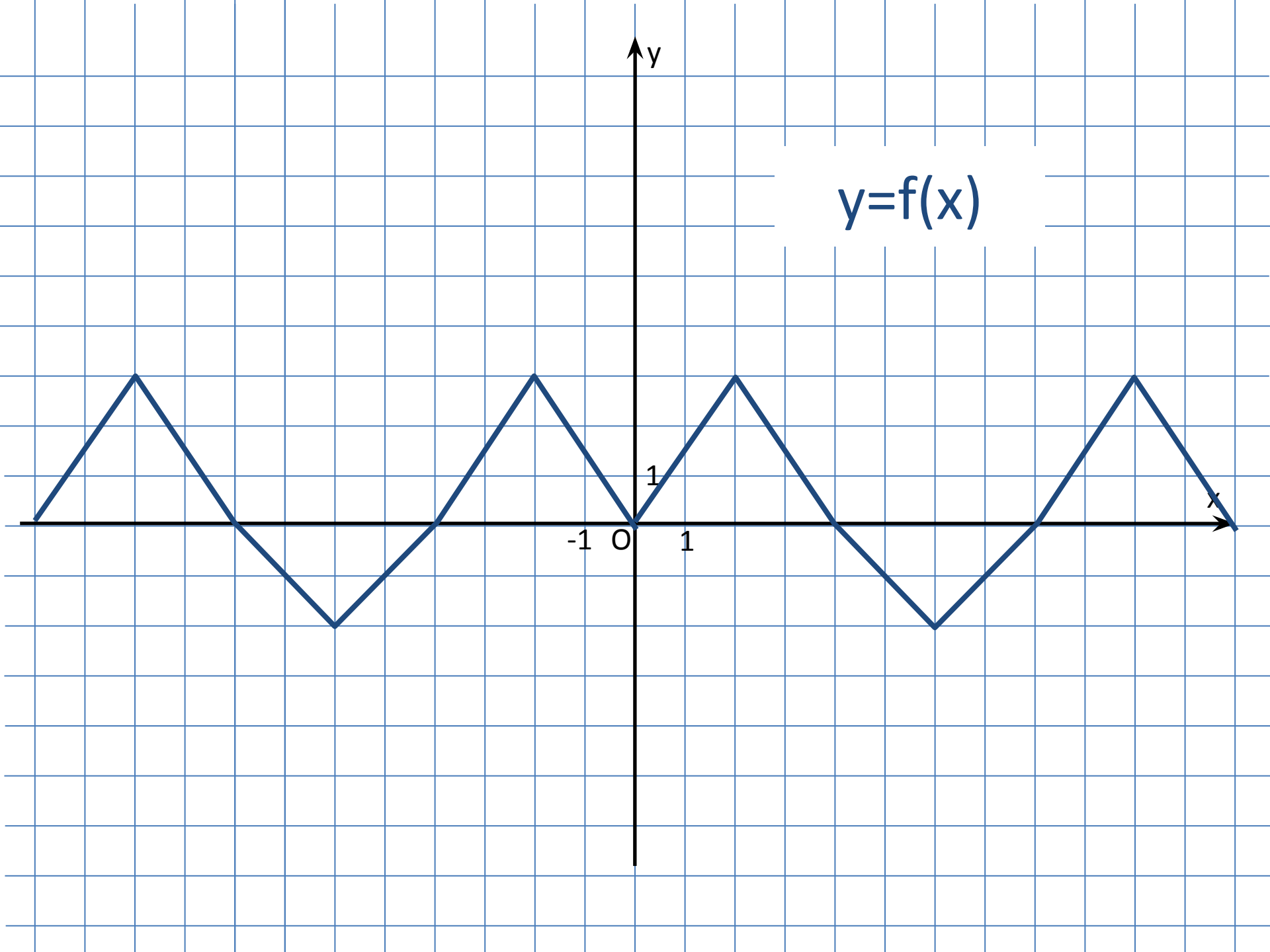
Oy

$$y = x^2 + 3$$

$$y = x^2 - 4$$







$y=f(x)$

y

-1

O

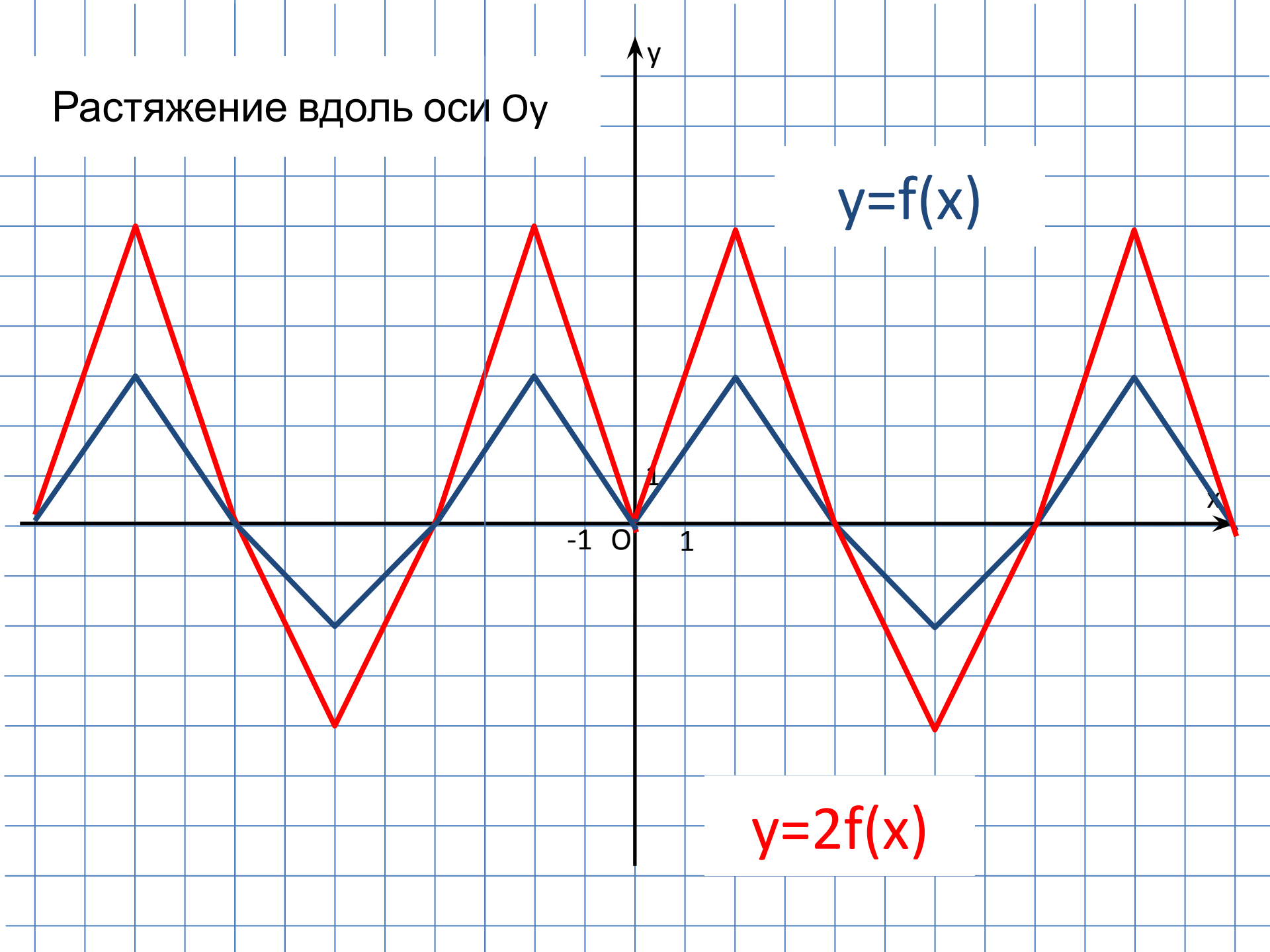
1

x

Растяжение вдоль оси Oy

y

$y=f(x)$



-1

O

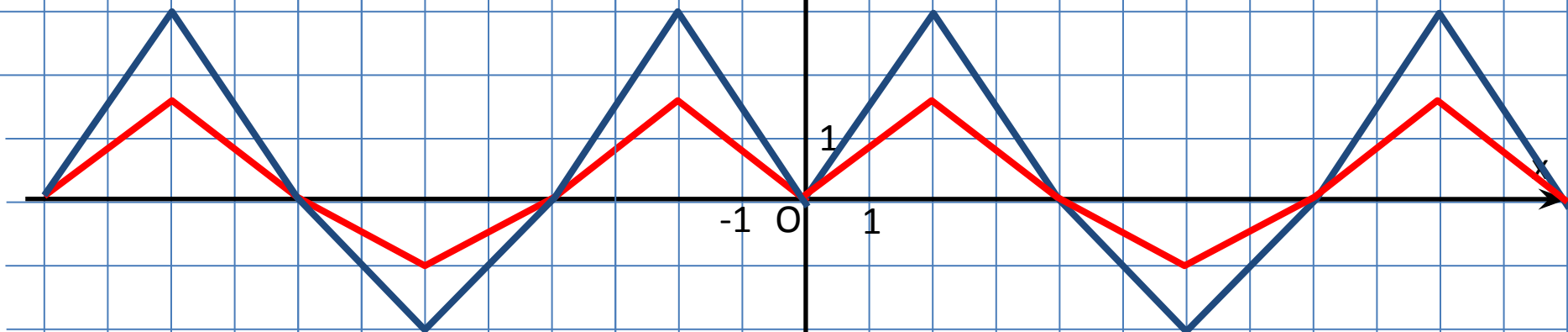
1

$y=2f(x)$

Сжатие вдоль оси Oy

y

$$y=f(x)$$

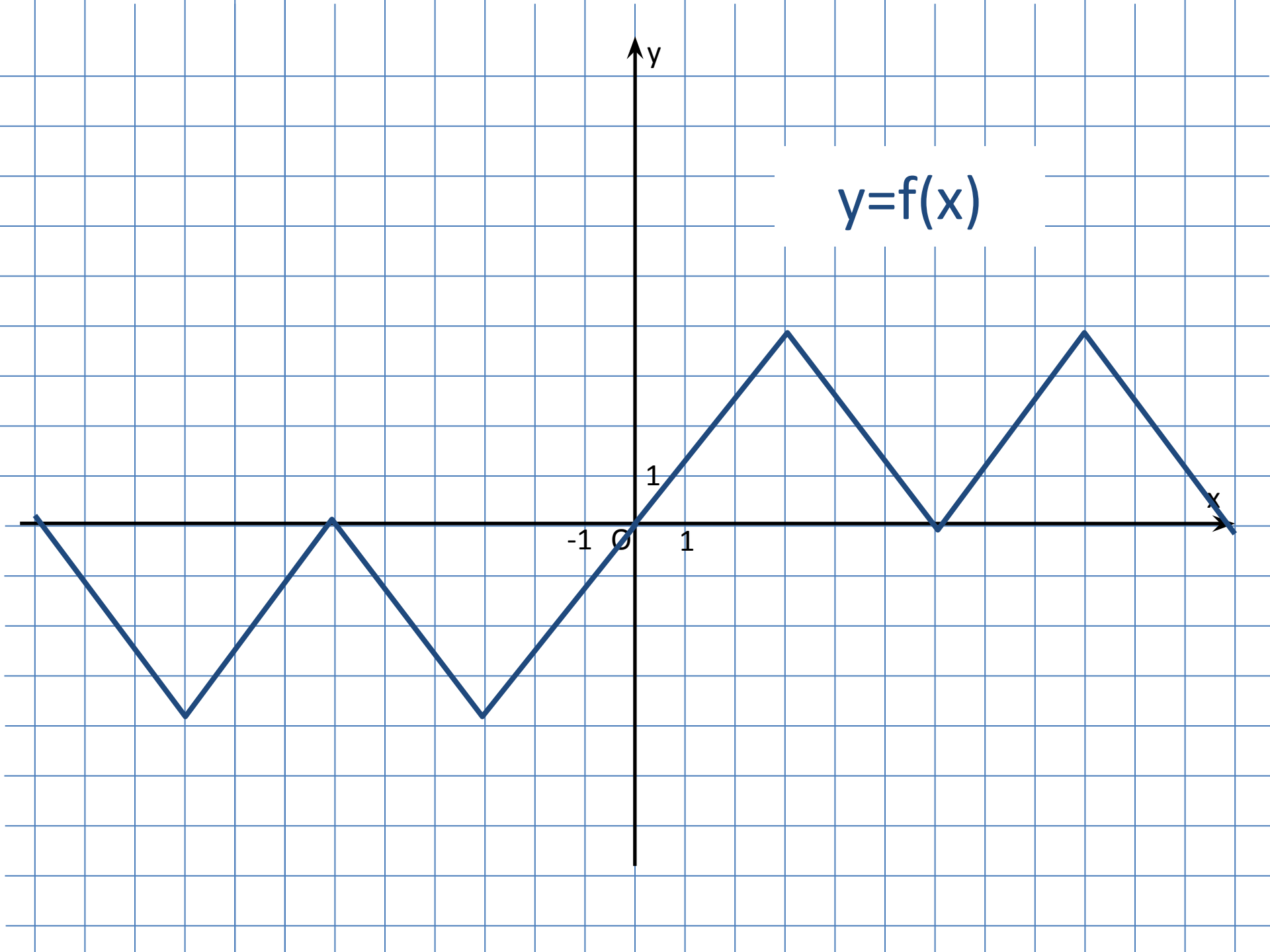


-1

O

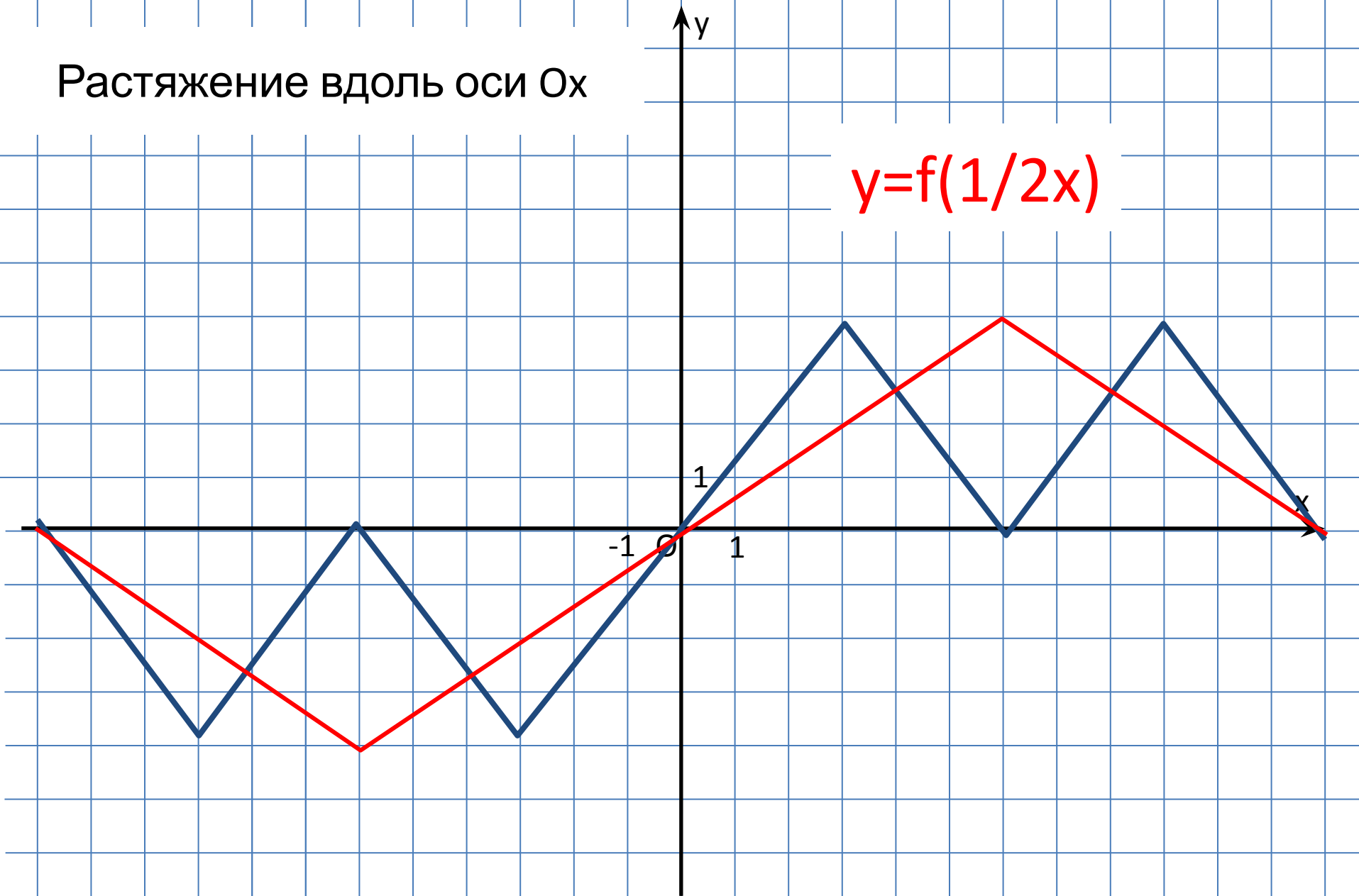
1

$$y=1/2f(x)$$



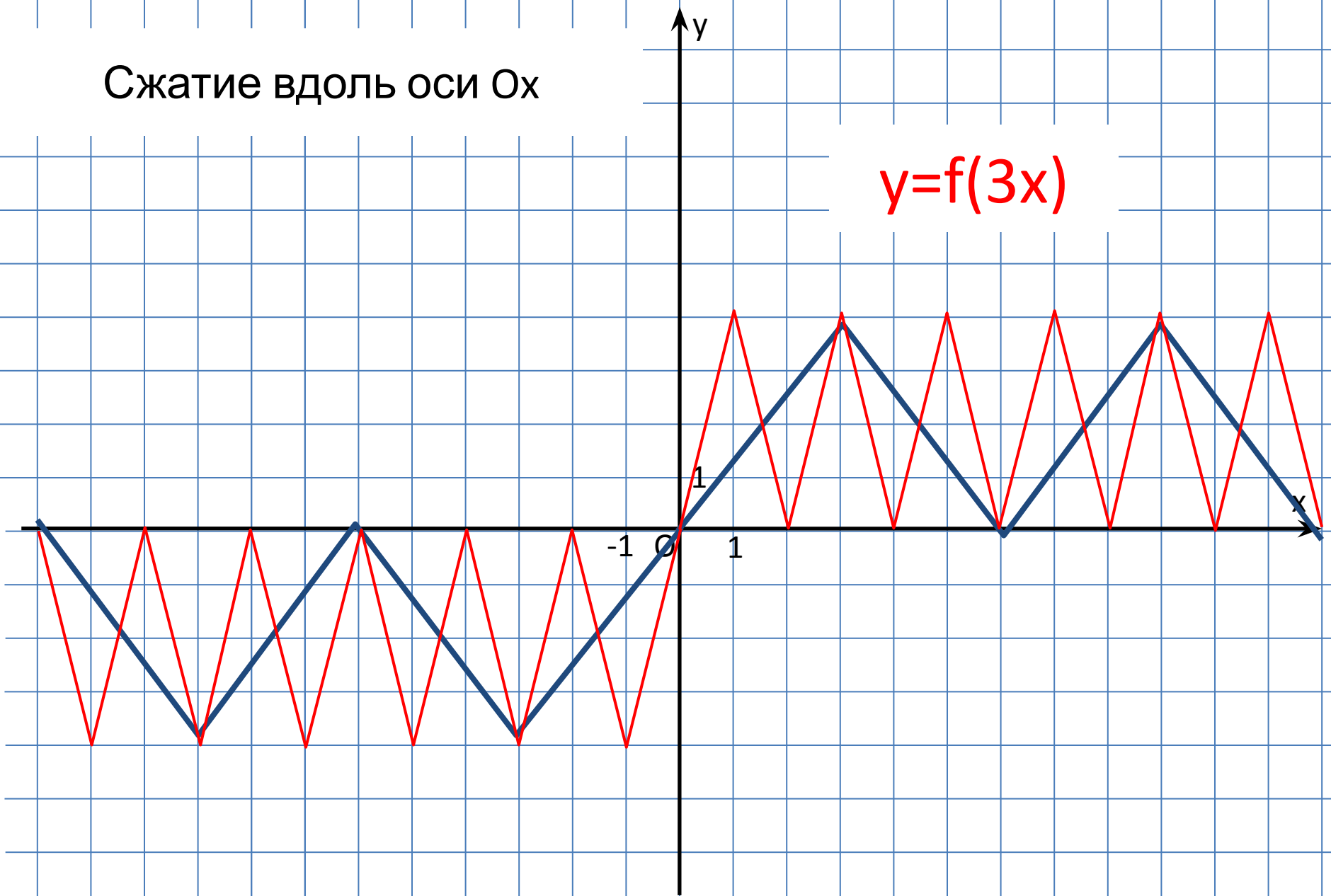
Растяжение вдоль оси Ox

$$y=f(1/2x)$$

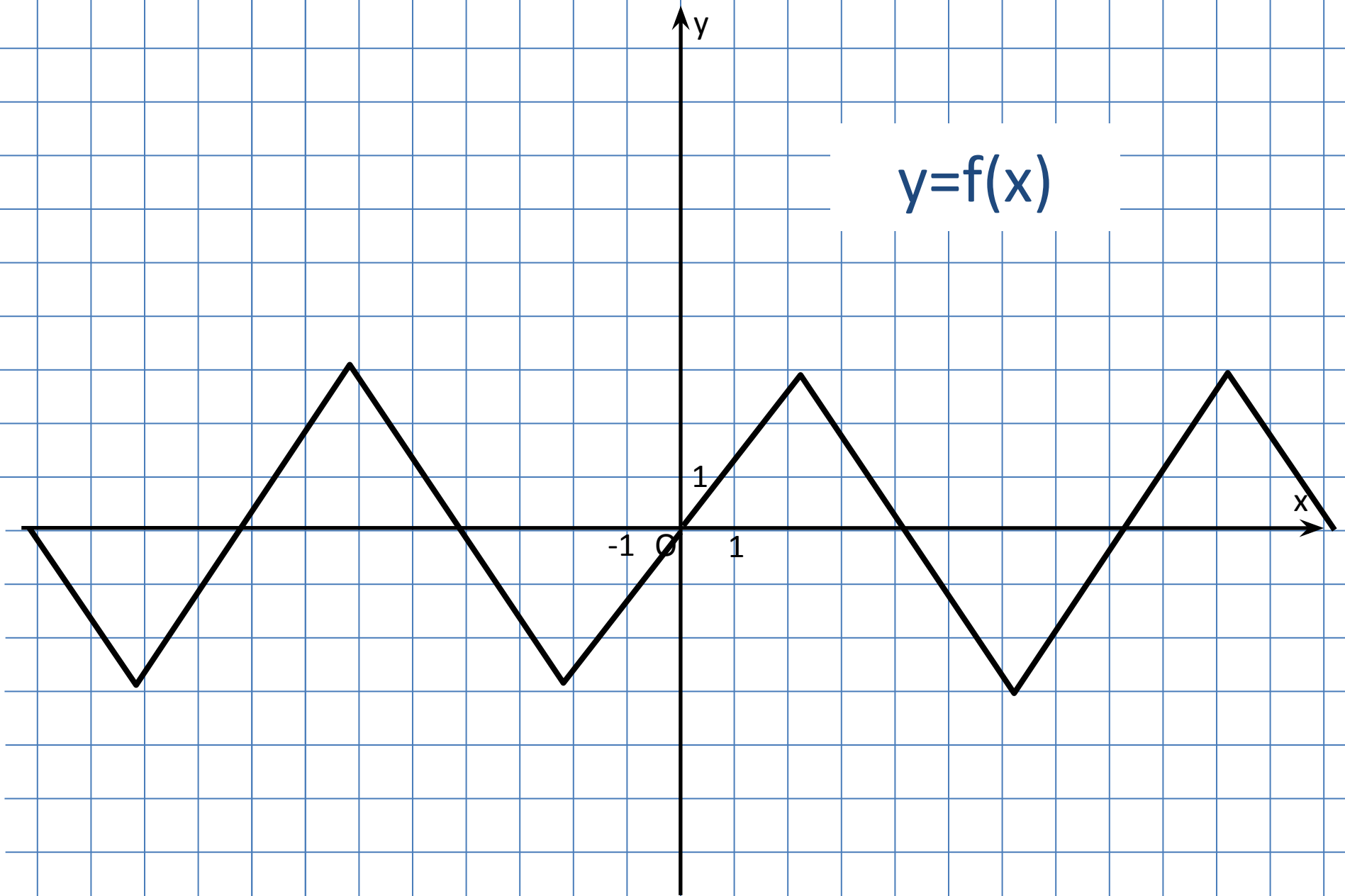


Сжатие вдоль оси Ox

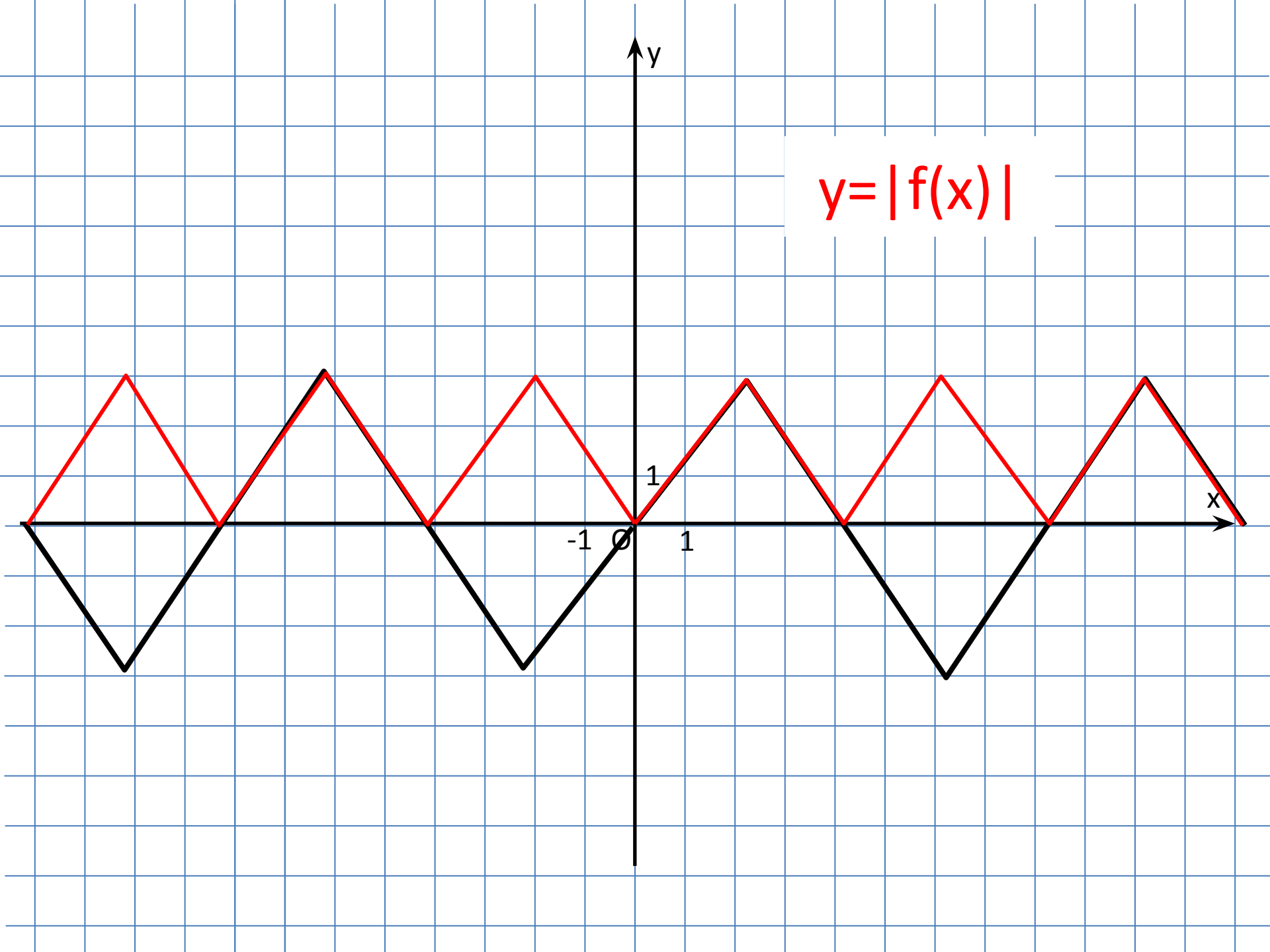
$$y=f(3x)$$



$$y=f(x)$$



$$y = |f(x)|$$



$$y=f(|x|)$$

