

Transforming Graphs

The Original Graph is called $y=f(x)$

Outside the bracket changes the y
y does what it says

$$y = 2f(x)$$

multiply y values by 2

$$y = f(x) - 5$$

take 5 from the y values

Inside the bracket changes the x
x does the opposite

$$y = f(5x)$$

divide x values by 5

$$y = f(x - 5)$$

add 5 to x values



