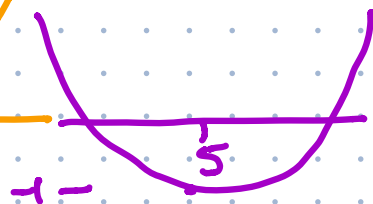
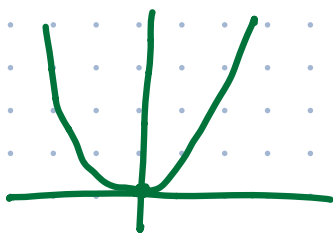


Graphing by the method of successive transformations GBTMOST

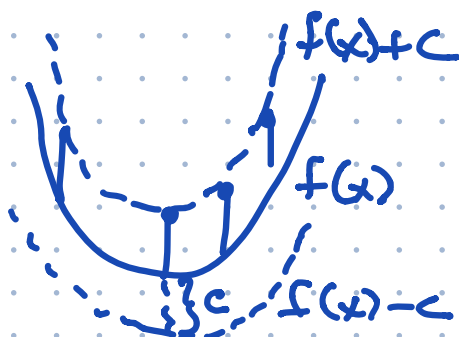
The idea:

$$y = \frac{1}{2} (x-5)^2 - 1$$



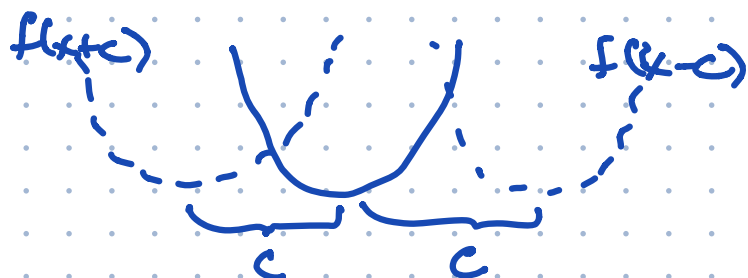
$$f(x) + c$$

$$f(x) - c$$



$$f(x+c)$$

$$f(x-c)$$

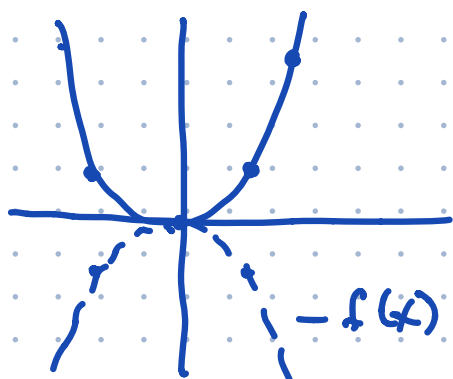


$$y = ax^2 + bx + c = f(x)$$

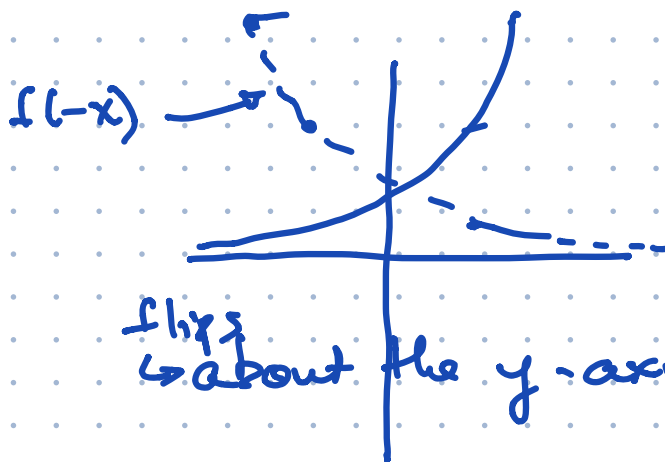
$$f(x-2) = y = a(x-2)^2 + b(x-2) + c$$

$$f(x)-2 = ax^2 + bx + c - 2$$

$$-f(x)$$

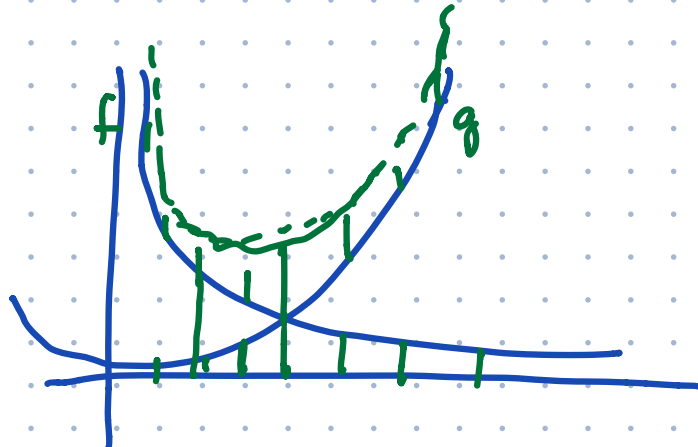


flips about the x-axis

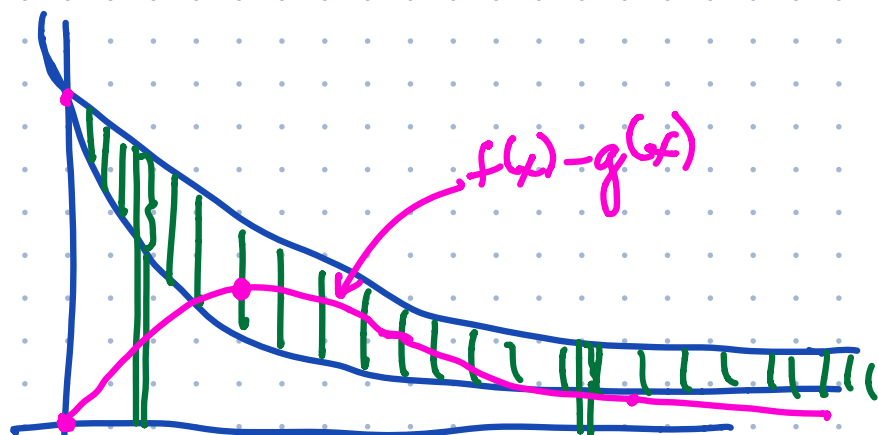


flips about the y-axis

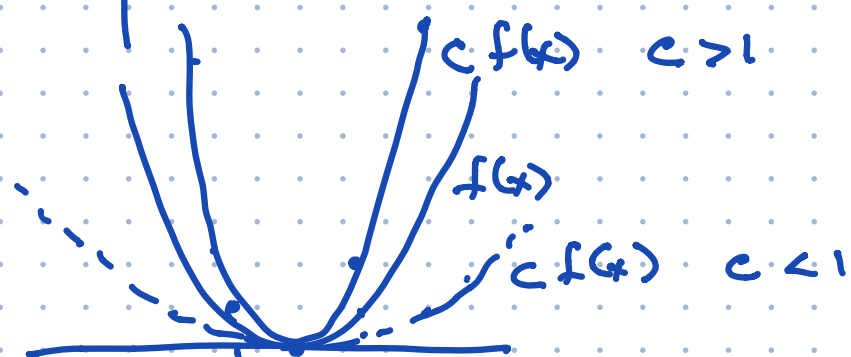
$$f(x) + g(x)$$



$$f(x) - g(x)$$



$$cf(x)$$



$$\frac{1}{f(x)}$$

