

Advanced Math

1-5
(Day 1)

Transformation of Functions

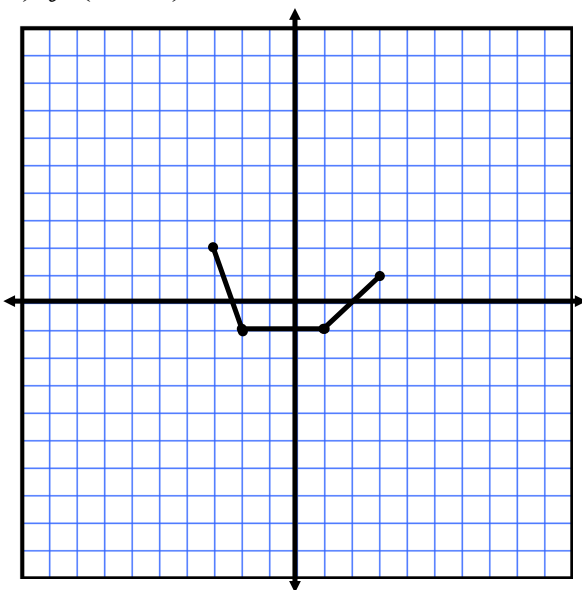
Transformations

$$y = a (bx - c) + d$$

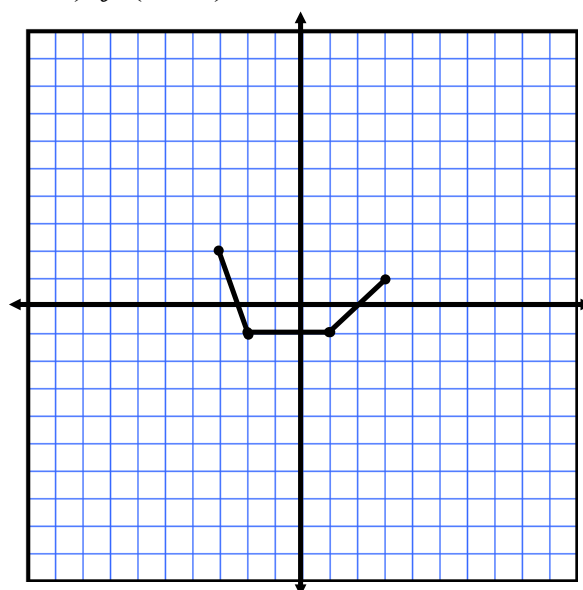
The graph of $f(x)$ is shown.

Draw the graph of:

a) $f(x + 2)$

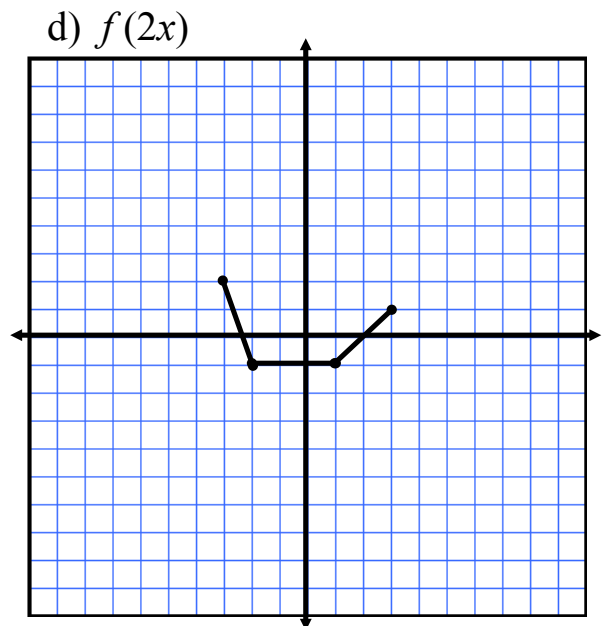
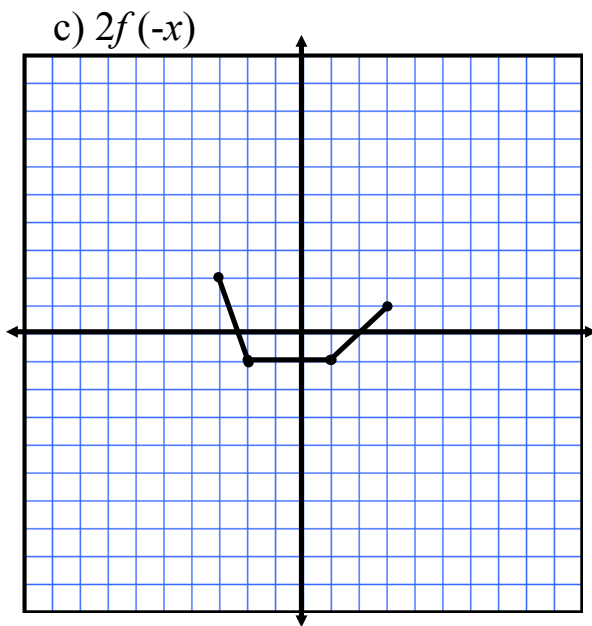


b) $f(x - 1) + 2$



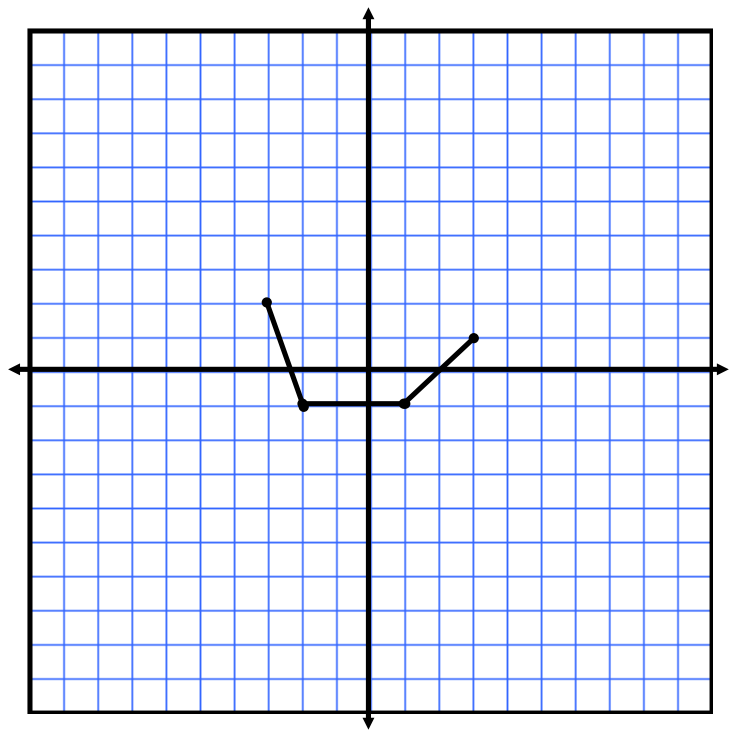
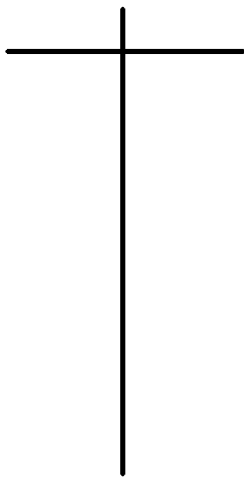
The graph of $f(x)$ is shown.

Draw the graph of:



Why do changes in the parentheses work opposite of what we think, while changes outside work like normal?

Draw the graph of $3f(\frac{1}{2}x + 1) - 3$



Assignment:
Handout
1-16