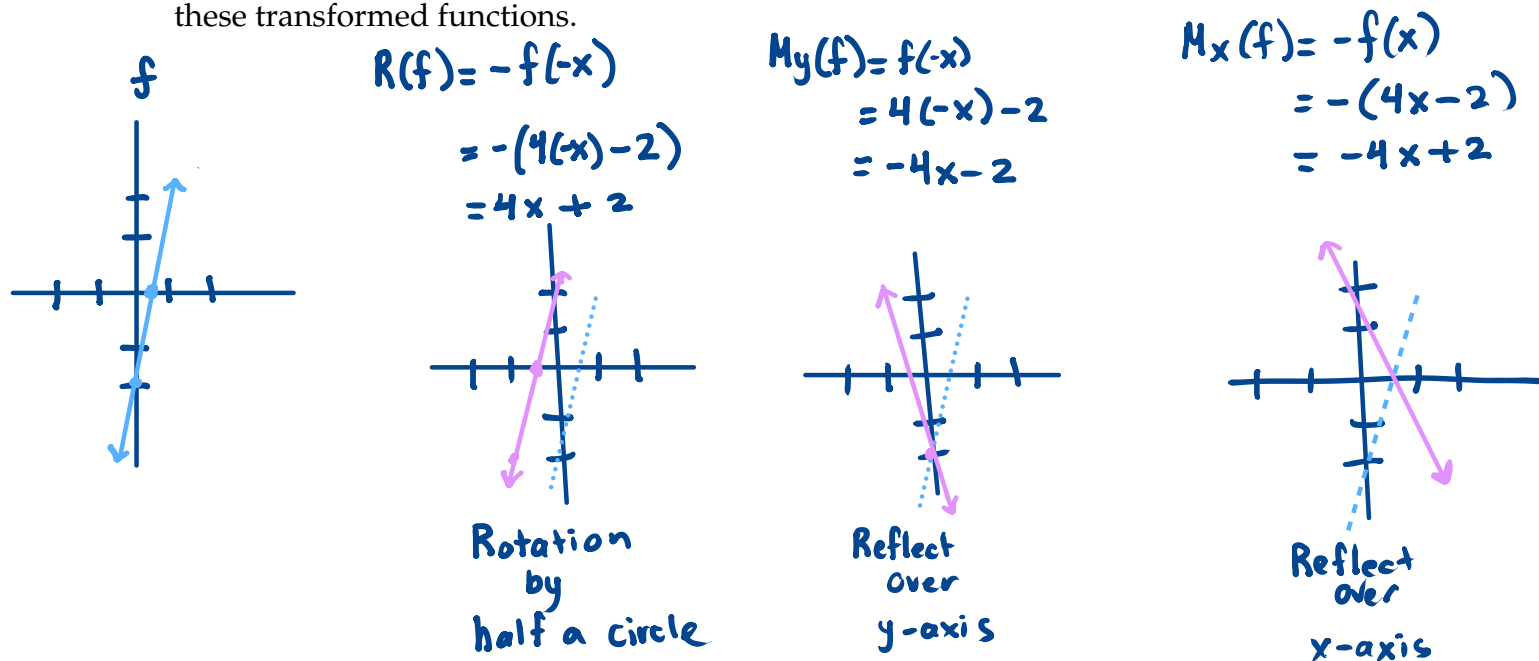


1. Take f to be the function that is given by

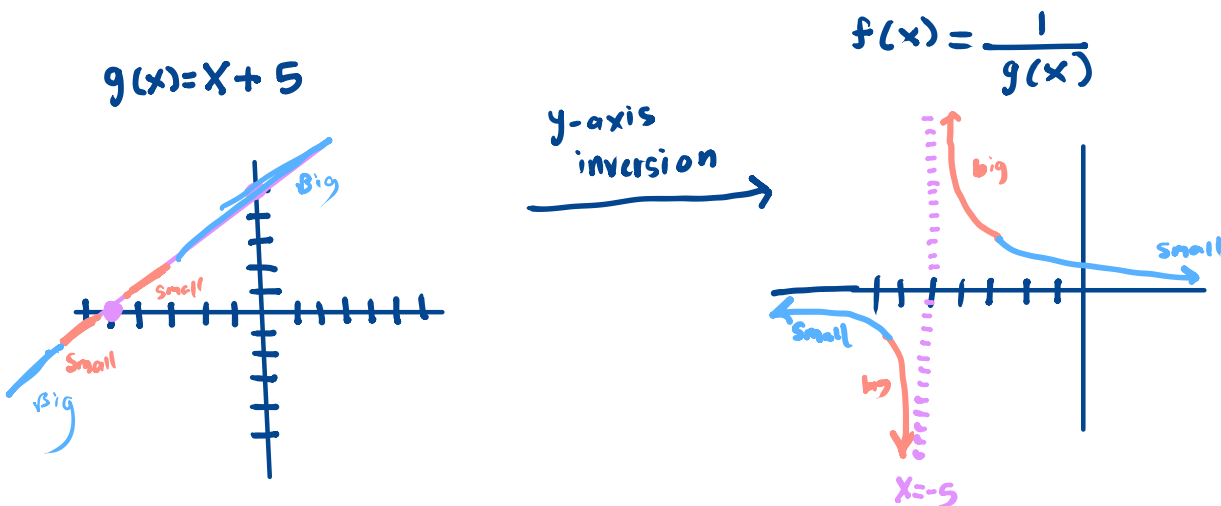
$$f(x) = 4x - 2.$$

Find equations for the functions given by $R(f)$, $M_y(f)$, and $M_x(f)$ and sketch f along with these transformed functions.



2. Sketch the function f , where

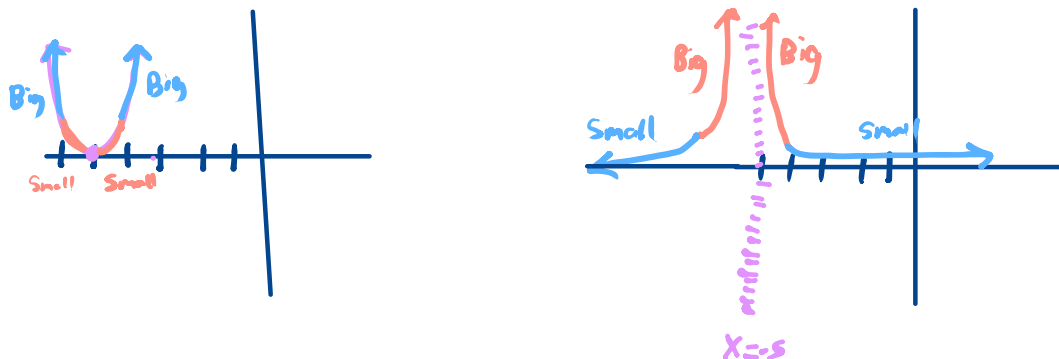
$$f(x) = \frac{1}{(x+5)}.$$



3. Sketch the function f , where

$$f(x) = \frac{1}{(x+5)^4}$$

$$g(x) = (x+5)^4 \xrightarrow{\text{y-axis inversion}} f(x) = \frac{1}{g(x)}$$



4. Define $\text{Recip}(x) = \frac{1}{x}$. Use y -axis inversion to sketch $\text{Recip} \circ (f)$ where f is this function:

