

P. 269 (HW - 4.2) → #149

$$49.) f(x) = 4x + 2$$

$$y = 4x + 2$$

$$x = 4y + 2$$

$$\frac{x-2}{4} = \frac{4y}{4}$$

$$\boxed{\frac{x-2}{4} = f^{-1}(x)}$$

$$f \rightarrow D: \mathbb{R}, R: \mathbb{R}$$

$$f^{-1} \rightarrow D: \mathbb{R}, R: \mathbb{R}$$

* Because both f and its inverse are polynomial functions, the domain & range for both f & f^{-1} are all real #