

$$f(x) = 2x \quad g(x) = x^2 + 1$$

$$f(3)$$

$$g(-2)$$

$$f(g(1))$$

$$g(f(2))$$

$$f \circ g(3)$$

$$g \circ f(-1)$$

Domain: $f(x)$

Domain: $g(x)$

Domain: $f \circ g(x)$

Domain: $g \circ f(x)$

$$f(x) = \sqrt{x+1} \quad g(x) = x^2 - 1$$

$$f(3)$$

$$g(2)$$

$$f \circ g(3)$$

$$g \circ f(8)$$

Domain: $f(x), g(x), f \circ g(x), g \circ f(x)$