$$f(x) = x^{2}$$
Find fog and gof
$$f(g(x)) = x - 1$$

$$f(g(x)) = g(f(x))$$

$$(x^{2}) - 1$$

$$(x - 1)(x - 1)$$

$$x^{2} - 2x + 1$$

$$f(g(x)) = x - 1$$

$$(x - 1)(x - 1)$$

$$g(f(x)) = x - 1$$

$$F(x) = x$$

Find fog and gof

$$f \circ g \rightarrow f(g(x))$$

$$(x-1)(x-1)$$

$$(x^2-2x+1)$$

$$f \circ g = x^2-2x+1$$

$$g \circ f = x^2-1$$