function composition

f(x) = 

g(x)= 

f(g(x)) = 

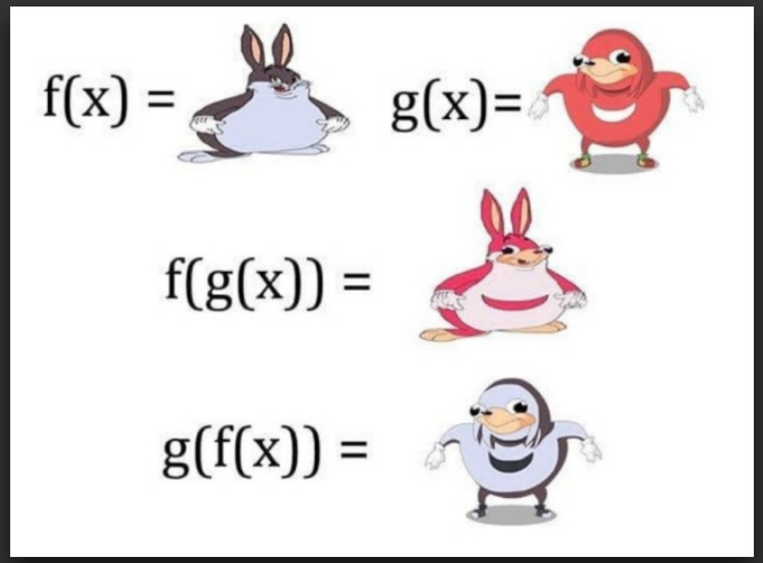
g(f(x)) = 

composition

function composition

Let $f : A \to B$ and $g : C \to D$. The **composition** of g with f, denoted $g \circ f$, is the function from A to C defined by $g \circ f(x) = g(f(x))$.

- chaining multiple functions: *"g composed with f"*
- order matters!



function composition