

Chapter 1

Functions and Graphs

Review Exercise Solution

Review Exercise 1.310

Instruction

Is it true or false that $f \circ g = g \circ f$, assuming f and g are functions?

Solution

The composition of two functions is not necessarily commutative, meaning that the order we apply the functions will matter. We can see that it is false that $f \circ g = g \circ f$ by computing the two compositions with two simple functions, $f(x) = x + 1$ and $g(x) = x^2$.

TODO

Answer

False.