

Exercise 15

Assume that f is a one-to-one function.

(a) If $f(6) = 17$, what is $f^{-1}(17)$?

(b) If $f^{-1}(3) = 2$, what is $f(2)$?

Solution

The inverse function takes the output and gives you back the input: $f^{-1}(17) = 6$.

This second part says that the output is 3 and the input is 2: $f(2) = 3$.