

Finding the Equation of the Inverse of $y = f(x)$

For a one-to-one function f defined by an equation $y = f(x)$, find the defining equation of the inverse as follows. (You may need to replace $f(x)$ with y first.)

Step 1 Interchange x and y .

Step 2 Solve for y .

Step 3 Replace y with $f^{-1}(x)$.