

Question #36354, Algebra. Given the function $f(x)=9x+7$, find its inverse.

Solution.

If $y=f(x)$ then $y = 9x + 7$.

Express x in terms of y : $9x = y-7$, $x = \frac{y-7}{9}$.

Change places of the x and y : $y = \frac{x-7}{9}$, $y = g(x)$,

So, $g(x) = \frac{x-7}{9}$ is the unknown inverse function.

Answer: $g(x) = \frac{x-7}{9}$.