

1. Is the inverse of each of the below a function?

a)  $y = 8\log(x+2)$



b)  $f(x) = x^3 + 7x^2 - 2x - 14$



2. Write the equation of the inverse of each.

a)  $y = \frac{8(2x+7)^3 - 3}{5}$

$f^{-1}(x) =$

b)  $y = \frac{5}{x+2}$

$f^{-1}(x) =$

3. The function  $f(x)$  is shown below. Find the domain and range of the inverse.

