

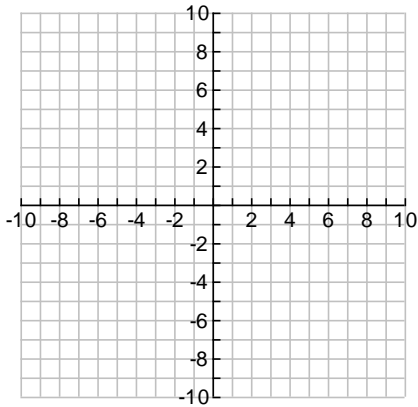
Inverse Functions Worksheet  
Quadratic, Square Root Functions

Name: \_\_\_\_\_

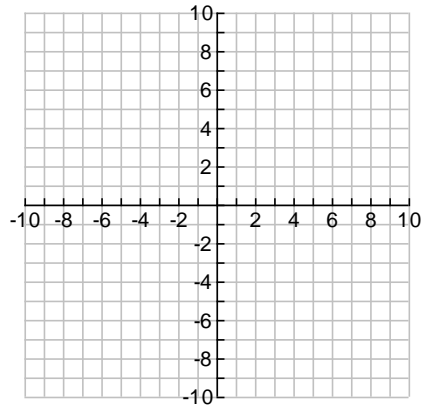
Date: \_\_\_\_\_

Find the inverse of each function. Graph and **label** the function and its inverse. State the domain and range of each function and its inverse. Determine whether the inverse is a function.

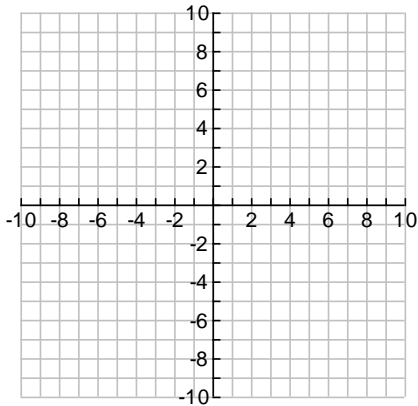
1)  $f(x) = (x-1)^2$



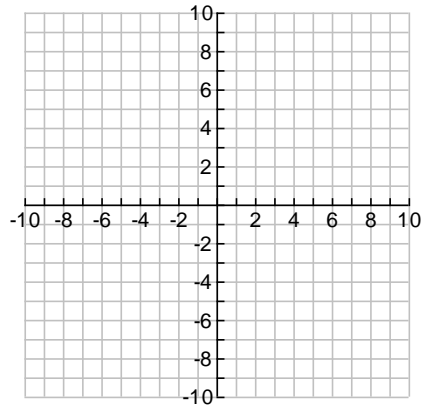
2)  $f(x) = x^2 - 3$



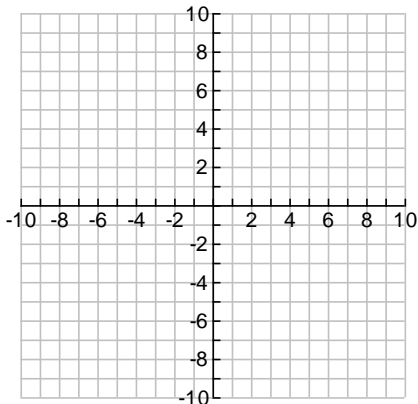
3)  $f(x) = x^2 + 4, \quad x \geq 0$



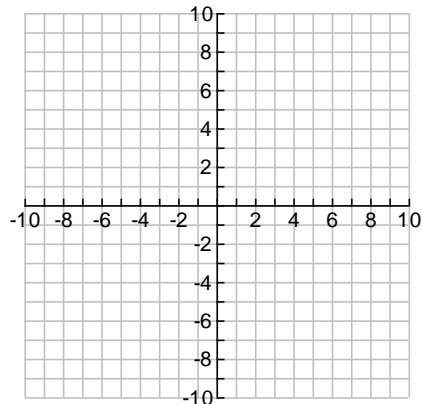
4)  $y = (x+5)^2, \quad x \leq -5$



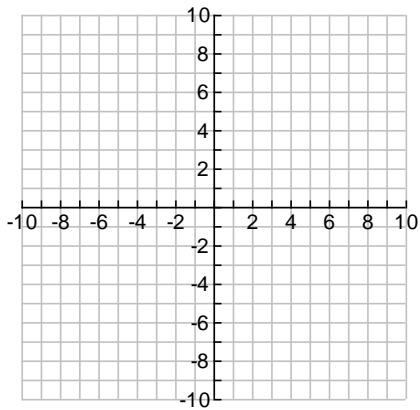
5)  $f(x) = \sqrt{x+3}$



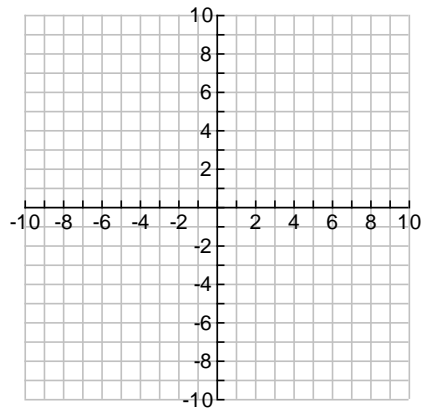
6)  $y = -\sqrt{x} + 2$



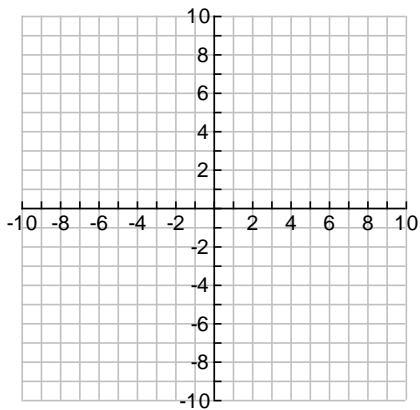
7)  $y = x^2 - 1$



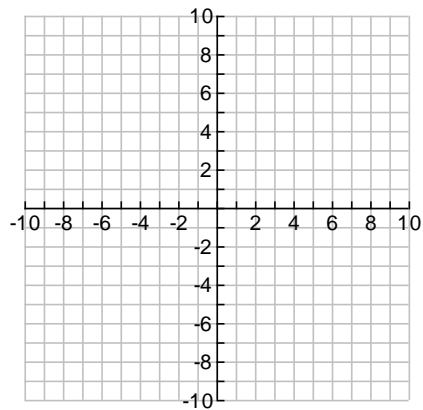
8)  $f(x) = (x+2)^2, \quad x \geq -2$



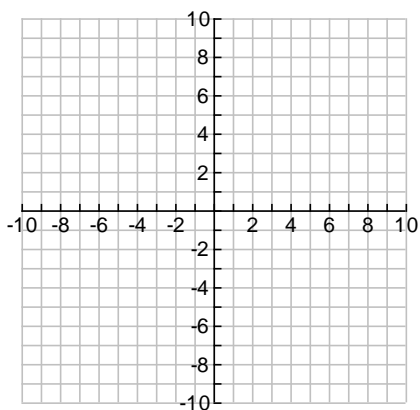
9)  $y = \sqrt{x} - 4$



10)  $y = x^2 + 2, \quad x \leq 0$



11)  $f(x) = \sqrt{x-1}$



12)  $f(x) = (x-3)^2$

