

Inverse Functions - Class Examples & Practice

Date _____ Period _____

Find the inverse of each function.

1) $h(x) = x - 2$

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

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

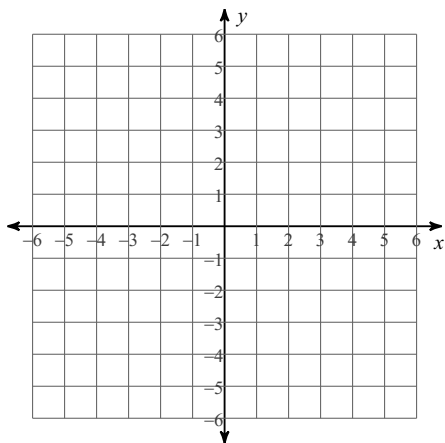
4) $f(x) = \sqrt[5]{\frac{-x+1}{2}}$

5) $h(x) = -2x + 6$

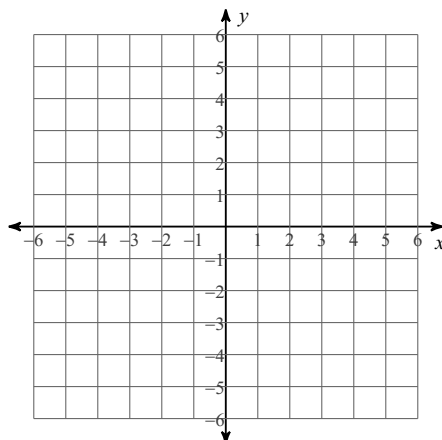
6) $g(x) = \sqrt[3]{x} + 2$

Find the inverse of each function. Then graph the function and its inverse.

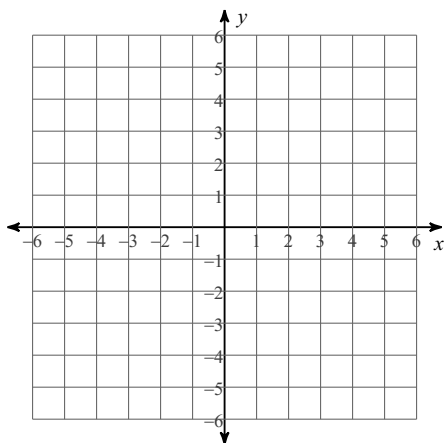
7) $g(x) = \frac{2}{3}x + 2$



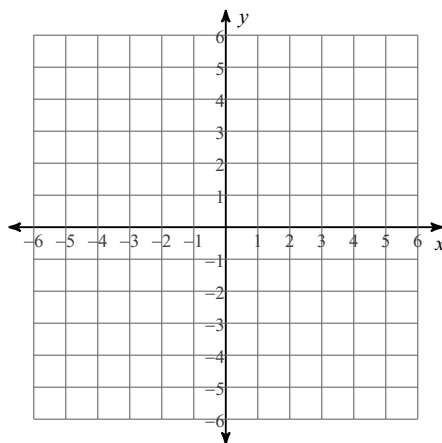
8) $f(x) = x + 3$



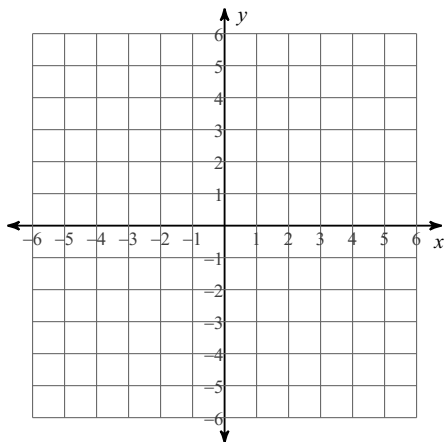
9) $g(x) = -5x + 20$



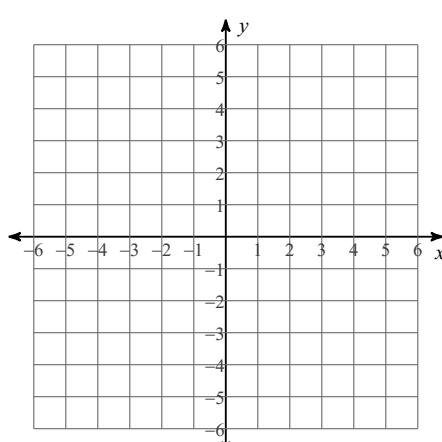
10) $f(x) = -2x - 8$



11) $h(x) = \frac{-4 - x}{2}$



12) $f(x) = \frac{6 - 5x}{2}$



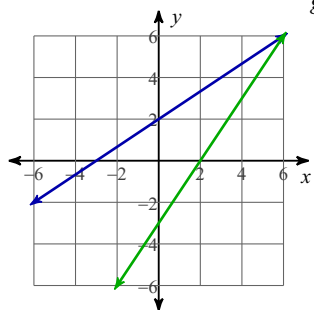
Answers to Inverse Functions - Class Examples & Practice (ID: 1)

1) $h^{-1}(x) = x + 2$

3) $g^{-1}(x) = \sqrt[3]{\frac{-x-2}{2}}$

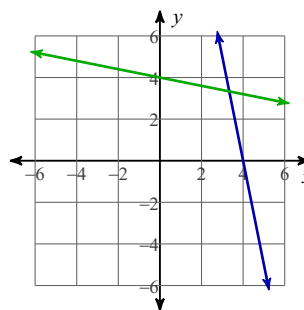
5) $h^{-1}(x) = 3 - \frac{1}{2}x$

7)



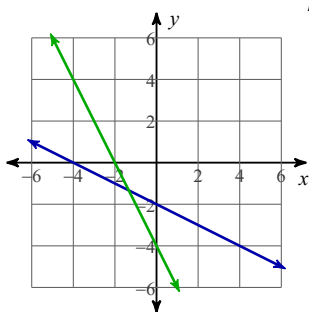
$g^{-1}(x) = -3 + \frac{3}{2}x$

9)



$g^{-1}(x) = 4 - \frac{1}{5}x$

11)



$h^{-1}(x) = -2x - 4$