

Review function inverse & compositions**State if the given functions are inverses.**

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

$f(x) = -\frac{1}{x+2}$

2) $h(x) = -\sqrt[5]{x} - 2$
 $f(x) = -2x^3 - 3$

3) $f(x) = \frac{3x}{2}$

$g(x) = 1 - \frac{3}{5}x$

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

Find the inverse of each function.

5) $g(x) = -\frac{3}{5}x - \frac{6}{5}$

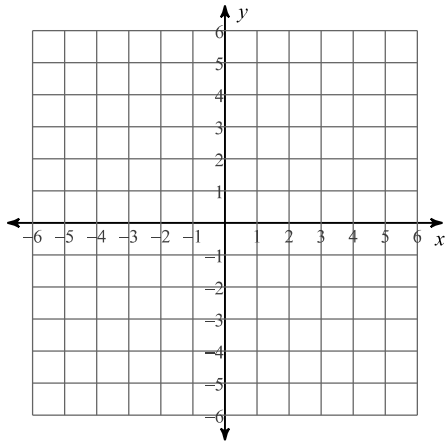
6) $f(x) = -x + 3$

7) $f(x) = \frac{1}{x+1}$

8) $h(x) = \sqrt[3]{\frac{-x+3}{2}}$

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

9) $h(x) = \frac{-4 + 3x}{4}$



10) $f(x) = 1 + (x + 2)^5$

