

# 5-3 Skills Practice

## *Inverse Functions and Relations*

Find the inverse of each relation.

1.  $\{(3, 1), (4, -3), (8, -3)\}$

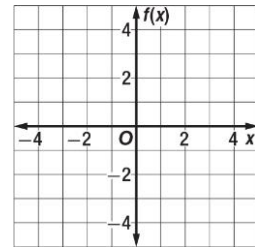
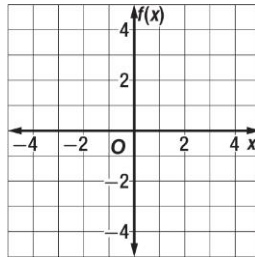
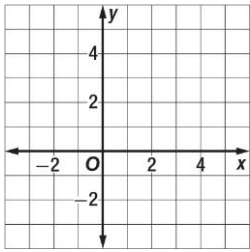
2.  $\{(-10, -2), (-7, 6), (-4, -2), (-4, 0)\}$

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

3.  $y = 4$

4.  $f(x) = 3x$

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



Determine whether each pair of functions are inverse functions. Write *yes* or *no*.

6.  $f(x) = x - 1$   
 $g(x) = 1 - x$

7.  $f(x) = 2x + 3$   
 $g(x) = \frac{1}{2}(x - 3)$

8.  $f(x) = 5x - 5$   
 $g(x) = \frac{1}{5}x + 1$