NAME_____
DATE_____
CLASS_____

**Find the inverse of each relation.**

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

2. $\{(-7, 1), (0, 5), (5, -1)\}$

3. $\{(-10, -2), (-7, 6), (-4, -2), (-4, 0)\}$

4. $\{(0, -9), (5, -3), (6, 6), (8, -3)\}$

5. $\{(-4, 12), (0, 7), (9, -1), (10, -5)\}$

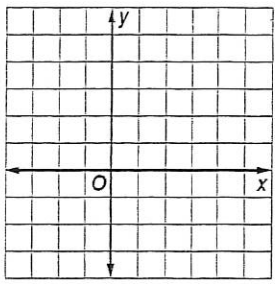
6. $\{(-4, 1), (-4, 3), (0, -8), (8, -9)\}$

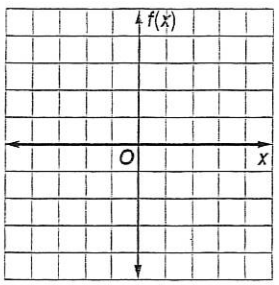
**Find the inverse of each function. Then graph the function and its inverse.**

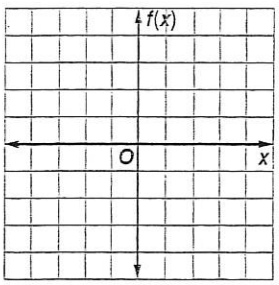
7. $y = 4$

8. $f(x) = 3x$

9. $f(x) = x + 2$



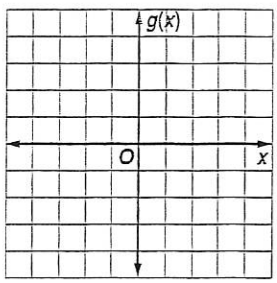



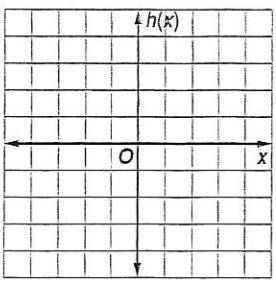



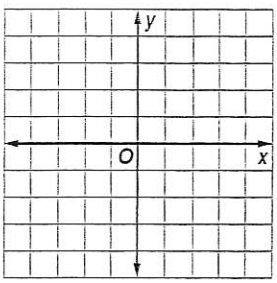

10. $g(x) = 2x - 1$

11. $h(x) = \frac{1}{4}x$

12. $y = \frac{2}{3}x + 2$




**Determine whether each pair of functions are inverse functions.**

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

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

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

16. $f(x) = 2x$
$g(x) = \frac{1}{2}x$

17. $h(x) = 6x - 2$
$g(x) = \frac{1}{6}x + 3$

18. $f(x) = 8x - 10$
$g(x) = \frac{1}{8}x + \frac{5}{4}$