Practice 8-2

Equations With Two Variables

Write each equation as a function in "$y = \ldots$" form.

1. $3y = 15x - 12$

2. $5x + 10 = 10y$

3. $3y - 21 = 12x$

$y = $ _____

$y = $ _____

$y = $ _____

4. $5y + 3 = 2y - 3x + 5$

5. $-2(x + 3y) = 18$

6. $5(x + y) = 20 + 3x$

$y = $ _____

$y = $ _____

$y = $ _____

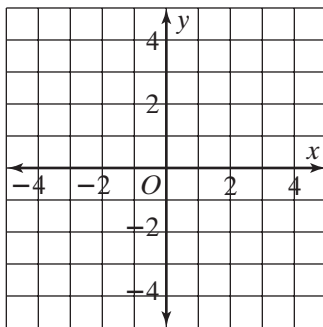**Graph each equation.**

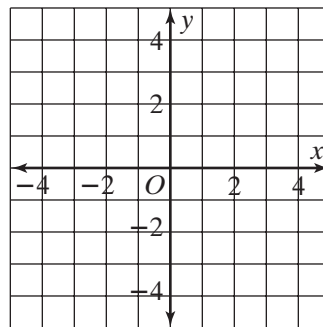**7.** $y = -0.5x + 4$
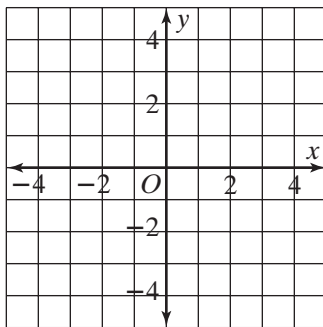
8. $y = 4$
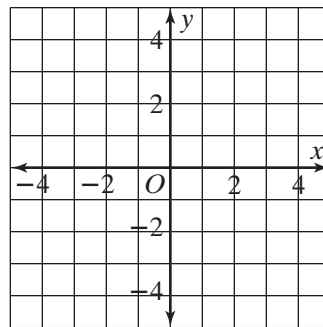
9. $2x - 3y = 6$

$y = $ _____

10. $-10x = 5y$

$y = $ _____

Is each ordered pair a solution of $3x - 2y = 12$? Write *yes* or *no*.

11. $(0, 4)$ _____

12. $(6, 3)$ _____

13. $(4, 0)$ _____

Is each ordered pair a solution of $-2x + 5y = 10$? Write *yes* or *no*.

14. $(-3, 2)$ _____

15. $(-10, -2)$ _____

16. $(5, 4)$ _____