

4-4 Skills Practice

Equations as Relations

Find the solution set for each equation, given the replacement set.

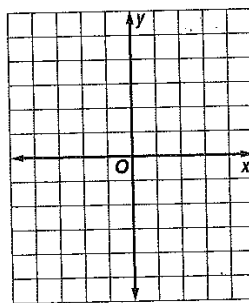
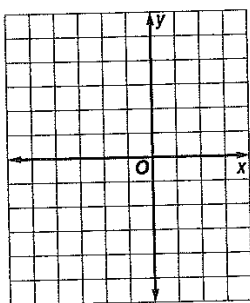
1. $y = 3x - 1$; $\{(2, 5), (-2, 7), (0, -1), (1, 1)\}$
2. $y = 2x + 4$; $\{(-1, -2), (-3, 2), (1, 6), (-2, 8)\}$
3. $y = 7 - 2x$; $\{(3, 1), (4, -1), (5, -3), (-1, 5)\}$
4. $-3x + y = 2$; $\{(-3, 7), (-2, -4), (-1, -1), (3, 11)\}$

Solve each equation if the domain is $\{-2, -1, 0, 2, 5\}$.

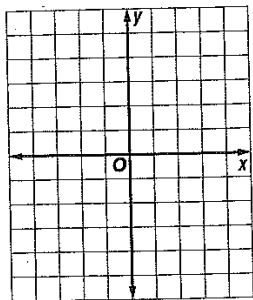
5. $y = x + 4$
6. $y = 3x - 2$
7. $y = 2x + 1$
8. $x = y + 2$
9. $x = 3 - y$
10. $2x + y = 4$
11. $2x - y = 7$
12. $4x + 2y = 6$

Solve each equation for the given domain. Graph the solution set.

13. $y = 2x + 5$ for $x = \{-5, -4, -2, -1, 0\}$
14. $y = 2x - 3$ for $x = \{-1, 1, 2, 3, 4\}$



15. $2x + y = 1$ for $x = \{-2, -1, 0, 2, 3\}$



16. $2x - 2y = 6$ for $x = \{-3, -1, 3, 4, 6\}$

