

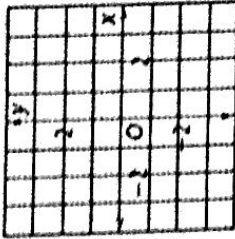
Practice 7-1 and 7-2

Solving Systems of Linear Equations

Solve each system by graphing. Write *no solution* or *infinitely many solutions* where appropriate.

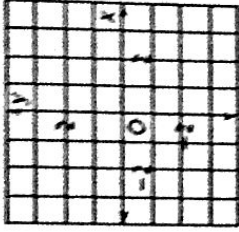
1. $y = x + 3$

$y = -2x + 3$



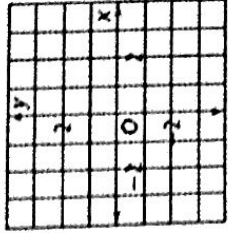
2. $y = x + 2$

$-4x + y = -1$



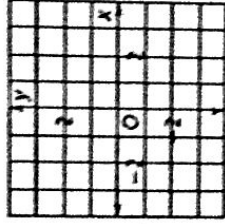
3. $y - 4 = 2x$

$y - 2x = 4$



4. $2 + y = 2x$

$y - 2x = 5$



5. $3x + y = 10$

$y = -3x + 4$

6. $y = 2x + 7$

$y = 5x + 4$

7. $3x - 2y = 0$

$x + y = -5$

Solve each system using substitution. Write *no solution* or *infinitely many solutions* where appropriate.

8. $3x - y = 4$

$2x + y = 16$

9. $x + y = 0$

$x = y + 4$

10. $5x + 2y = 6$

$y = -\frac{5}{2}x + 1$

Solve each system using substitution. Write *no solution* or *infinitely many solutions* where appropriate.

11. $5x + 6y = -76$

$$x + 2y = -44$$

12. $3x - 2y = 10$

$$y = \frac{3}{2}x - 1$$

13. $-3x + 2y = -6$

$$-2x + y = 6$$

14. Grandma's Bakery sells single-crust apple pies for \$6.99 and double-crust cherry pies for \$10.99. The total number of pies sold on a busy Friday was 36. If the amount collected for all the pies that day was \$331.64, how many of each type were sold?

15. At an ice cream parlor, ice cream cones cost \$1.10 and sundaes cost \$2.35. One day, the receipts for a total of 172 cones and sundaes were \$294.20. How many cones were sold?