

Solve Systems Linear Equations

1. $x + y = 1$
 $x - y = 5$

2. $x + y = 14$
 $x - y = 22$

3. $a - b = -1$
 $-a + 2b = 4$

4. $-m + 3n = 5$
 $m - 2n = 25$

5. $2x + y = -5$
 $2x + 3y = 10$

6. $x + 2y = 1$
 $2x + y = 12$

7. $x + 2y = 1$
 $2x - y = -23$

8. $r - s = 5$
 $2r + 3s = -20$

9. $3x - 2y = -7$
 $2x - 5y = 10$

10. $2x - 5y = 1$
 $4x + 2y = 14$

11. $3m + 2n = 1$
 $2m - 3n = 18$

$4a - 3b = 3$
 $3a - 2b = 4$

13. $6x + 3y = 0$
 $4x - y = 4$

14. $a - 2b = 0$
 $a + 2b = 0$

15. $5x + 2y - 4 = 0$
 $3x - 2y - 4 = 0$

16. $x + 2y + 7 = 0$
 $3x + 4y + 21 = 0$

17. $5x = 4 - 2y$
 $4y = 8 - 10x$

18. $4x = -5y + 5$
 $7y = -6x + 7$

19. $4a + b - 1 = 0$
 $a - 2b - 16 = 0$

20. $3m = 2n - 19$
 $4n = 3 - m$

Write two equations for each problem and solve:

21. Sarah bought 90 stamps for \$12.75. Some were 15¢ stamps and the rest were 10¢ stamps. How many of each kind did she buy?
22. Sherman bought 23 stamps for \$5.85. Some were 31¢ stamps and the rest were 15¢ stamps. How many of each kind did he buy?
23. In cashing a check for \$135, Hank asked for the whole amount in \$5 and \$10 bills. He received a total of 18 bills. How many of each kind of bill did he receive?
24. In cashing a check for \$220, Chris asked for the whole amount in \$10 and \$20 bills. She received a total of 13 bills. How many of each kind of bill did she receive?