

3-1 B Solving for y Worksheet

Solve each equation for y. Work out each problem on a separate sheet of paper.
Show all work.

1. $2x + y = 15$

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

3. $x - y = 17$

4. $17 + y = 3x + 25$

5. $2y = -10x + 12$

6. $8x + 2y = 4x - 16$

7. $2x - 3y = 18$

8. $-5x - y = -12$

9. $3(2x - y) = 9$

10. $4x + 2y - 10 = 12x$

11. $y + 5x + 9 = -4$

12. $-3x - 5 = -15 + 2y$

13. $-2(x + 3y) = 18$

14. $5x + 10 = 10y$

15. $5y + 8 = 2y - 3x + 5$

16. $3y = 15x - 12$

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

18. $8x - 4y = -4$

19. $9x + 3y = 3$

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

21. $3y - 21 = 12x$

22. $2x + 3y = 3$

23. $x - 2y = 4$

24. $-2x - y = -3$