

Algebra I

4.6 Worksheet

Solving Equations with variables on both sides
Solving Equations using the Distributive Property

NAME: _____
DATE: _____ HOUR: _____

1. $2(3y - 2) = y + 6$

2. $5n + 3n + 5 = 6n - 3$

3. $10y - 13 = 2y + 8 + y$

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

5. $4(x - 2) = 2(5 - x)$

6. $x + 4x + 4 = 2x - 3 - 2$

7. $3(1 - 4m) = 15 - 8m$

8. $6(z - 1) = 3(z + 3)$

9. $2(4y - 1) = 2(3 + 2y)$

10. $4(4m - 3) = 4(3 + m)$

11. $2(h - 4) = 3h - 7 - 3$

12. $5y + 10 - 2 = -(7 + 10y)$

13. $4x - x - 4 = 7x - 2x + 6$

14. $3(2z - 1) = 4z + 10 - 5$

15. $2(h + 4) = 6h - h - 7$

16. $4(3a - 2) = 2(8 + 2a)$

17. $8x - 5x - 5 = 2(x + 3)$

18. $3(3y - 2) = 12 + y + 2y$

19. $3h + 4h + 2 = 3h - 12 + 2$

20. $4(1 - x) = x + x - 8$

21. $2a - 2 - 3 = 3(a - 1)$