

DISTRIBUTION AND COMBINING LIKE TERMS



NAME _____ PERIOD _____

REWRITE USING THE DISTRIBUTIVE PROPERTY. SIMPLIFY WHERE POSSIBLE.

1. $4(x + y)$	2. $(2x + 3y)7$	3. $\frac{3}{4}(12x + 16y)$	4. $-10(16 - 13x)$
5. $a(3b + 7)$	6. $-8(3m + 4n)$	7. $-\frac{1}{2}(-6r - 10s)$	8. $5(-13 + 10a)$
9. $(14 + 7a)\frac{1}{7}$	10. $m(2n + 15)$	11. $2a(7b - 3)$	12. $-3bc(5m)$

SIMPLIFY BY COMBINING LIKE TERMS.

13. $2a + 15a + 3a$	14. $5y - 13y + 10y$	15. $26ab + 14ab$	16. $14x + 7y - 19x + 15y$
17. $35n + 41 - 19n + 35$	18. $21x + 14 - x + 22$	19. $3xy + 3y - 5xy + 4x$	20. $-14ab + 25ab - 7$
21. $a + 7ab - 10ab + 4a$	22. $4x^2 + 2x - 3x^2 + 4x^3 - 5x$	23. $23rs + 11st - 25st$	24. $-4jc - 4j + 3jc + j - 2jc$

SIMPLIFY. CIRCLE YOUR ANSWER.

13. $3(4x + 2) - 2x$	14. $7(3x - 5) + 4$	15. $-4(7x + 3) + 3x + 4$	16. $9(2x + 5) - 8x$
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