Lesson 1.5 The Distributive Property

Name: _____ Date: _____

Multiply the outside number by every term inside the parentheses, then combine like terms. Last five are challenge problems!

1. Expand and simplify: $2(-2a + 4)$

show your work

2. Expand and simplify: $2(2a - 3)$

show your work

3. Expand and simplify: $-3(-3y + 1)$

show your work

4. Expand and simplify: $3(-3a + 9)$

show your work

5. Expand and simplify: $-3(2n + 4)$

show your work

6. Expand and simplify: $7(-2a - 5)$

show your work

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7. Expand and simplify: $-2(3y - 7)$

show your work

8. Expand and simplify: $-2(-3y + 4)$

show your work

9. Expand and simplify: $-4(5x - 1)$

show your work

10. Expand and simplify: $2(2x + 6)$

show your work

11. Expand and simplify: $-2(3a + 9) + 8$

show your work

12. Expand and simplify: $3(y + 6) + 8$

show your work

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13. Expand and simplify:
$2(n + 4) + 5n$

show your work

14. Expand and simplify:
$3(3x + 1) + 3x$

show your work

15. Expand and simplify:
$-6(3y + 6) - 4$

show your work

16. Expand and simplify:
$6(-2a + 9) + 3$

show your work

17. Expand and simplify:
$2(x - 8) + 8x$

show your work

18. Expand and simplify:
$7(-3y - 1) - 7y$

show your work

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19. Expand and simplify:
$4(5n - 1) + 8$

show your work

20. Expand and simplify:
$-5(5n - 3) - 7n$

show your work

21. Expand and simplify:
$3(2x - 1) + 2(4x + 5)$

show your work ★ **CHALLENGE**

22. Expand and simplify:
$-2(3x + 4) + 5(x - 2)$

show your work ★ **CHALLENGE**

23. Simplify: $7x + 3 - (2x - 5)$

show your work ★ **CHALLENGE**

24. Simplify: $-4x + 9 - (6x + 8)$

show your work ★ **CHALLENGE**

25. Fill in the blank so the two sides are equal: $__(x + 6) = 4x + 24$

show your work ★ **CHALLENGE**

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