Lesson 1.4 Combining Like Terms

Name: _____ Date: _____

Like terms have the same variable raised to the same power. Combine their coefficients. Last five are challenge problems!

1. Simplify: $-4x + 9 - 8x + 8$

show your work

2. Simplify: $-a + 2b + 8a + 2b$

show your work

3. Simplify: $-8x - 9x - 2$

show your work

4. Simplify: $7y - 8 - 2y + 8 - 5$

show your work

5. Simplify: $4m + 3n - 2m$

show your work

6. Simplify: $9x^2 - x + 2x^2 - 3x$

show your work

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Lesson 1.4 Combining Like Terms

7. Simplify: $3p + 3 + 6p$

show your work

8. Simplify: $6x + 9 + 7x + 1$

show your work

9. Simplify: $-3a - 4b + 5a - 5b$

show your work

10. Simplify: $7x - 9x + 3$

show your work

11. Simplify: $y + 3 + 9y - 1 - 5$

show your work

12. Simplify: $-6m - 9n + 9m$

show your work

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Lesson 1.4 Combining Like Terms

13. Simplify: $-3x^2 + x - 8x^2 + 4x$

show your work

14. Simplify: $4p + 9 + 8p$

show your work

15. Simplify: $-4x + 8 - 6x - 7$

show your work

16. Simplify: $-5a + 4b + 2a + 9b$

show your work

17. Simplify: $-3x - 4x + 1$

show your work

18. Simplify: $y + 9 + y + 3 - 5$

show your work

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19. Simplify: $4m - 3n - 9m$

show your work

20. Simplify: $7x^2 + 5x + 3x^2 + 9x$

show your work

21. Simplify:
$4x^2 - 3x + 2x^2 + 7 + 5x - 9$

show your work ★ CHALLENGE

22. Simplify:
$6ab - 2a - 4ab + 3b + 5a$

show your work ★ CHALLENGE

23. Simplify: $3x^2 + x - 3x^2 - 8x + 2$

show your work ★ CHALLENGE

24. Simplify: $2y^3 - 5y + 4y^3 + 5y - 1$

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25. Can $3x + 2$ be combined into $5x$? Explain.

show your work ★ CHALLENGE

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