

Name _____ Date _____

Practice Combining Like Terms Puzzle

Simplify each expression by combining like terms. Find the answer at the bottom of the page. Then write the letter on the appropriate line below to spell out a secret message. (Some letters may be used more than once!)

Did you hear the one about the acupuncture?

$\frac{1}{\quad}$ $\frac{2}{\quad}$ $\frac{3}{\quad}$ $\frac{4}{\quad}$ $\frac{5}{\quad}$ $\frac{6}{\quad}$ $\frac{7}{\quad}$ $\frac{8}{\quad}$ $\frac{9}{\quad}$
 $\frac{10}{\quad}$ $\frac{11}{\quad}$ $\frac{12}{\quad}$ $\frac{13}{\quad}$ $\frac{14}{\quad}$ $\frac{15}{\quad}$ $\frac{16}{\quad}$ $\frac{17}{\quad}$!

1. $2m + 3m^2 - 4m$	2. $2x + x - 4y$	3. $2m + 4m - 3m^2$	4. $2y + 14x - 7x + 9y$
5. $8n - 4n^2 + 8n$	6. $11g - 9g + 8g$	7. $3m^2 - 2m + 4m$	8. $20 + 10q + 3q - 4$
9. $4xy + x + 2xy$	10. $6m^2 + 6m - 9m^2$	11. $3n - 6mn + 2n$	12. $\frac{3}{2}x - y + \frac{1}{2}x + 3y$
13. $y + x + y + x$	14. $8n + 4n^2 - 8n$	15. $5 + 5mn - 11mn$	16. $15y + 6y - 3x + xy$
17. $3xy - 5xy + 21y$			

I. $3m^2 - 2m$ S. $-4n^2 + 16n$ E. $-2xy + 21y$ O. $-6mn + 5$ T. $3x - 4y$	N. $-3x + xy + 21y$ W. $-3m^2 + 6m$ J. $3m^2 + 2m$ B. $x + 6xy$ A. $10g$	A. $7x + 11y$ E. $-6mn + 5n$ A. $13q + 16$ L. $2x + 2y$ D. $4n^2$
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Assignment # _____ **Combining Like Terms (P2)**

Name _____

Standards: AF 1.3 Simplifying Variable Expressions

Pre-Algebra, Period _____

Date _____

Add the following LIKE terms. "When you add two different signs..." "Two of the same sign..."

1. $6x + 3x =$

2. $15m + (-5m) =$

3. $3x + 7x =$

4. $6 + x + 4 =$

5. $-2 + t + 10 =$

6. $5 + m + m + m =$

7. $7.6x + 4.8x =$

8. $-5 + x + x + 13 =$

9. $65n + 48n =$

10. $4x + 8y + 3x =$

11. $5y + 8y + 4z =$

12. $3 + 9b + 10 =$

13. $8x^2 + 2x^2 + 7x =$

14. $6xy + 3xy + 3x =$

15. $7a + 5c + 4c =$

16. $6a + 7b + 5a + 7b =$

17. $3x + 6y + 2y + 8x =$

18. $9x^2 + 10 + 4x^2 + 7 =$

19. $7x^2y + 8 + (-5x^2y) + 4 =$

20. $5a + 3b + 4c + 2a =$

21. $6x^3 + 9x + 10x^3 + 4x^2 =$

22. $10x^4 + (-8x^3) + 4x^3 + (-5x^2) + 3x =$

23. $8x + 6 + 7x + (-10) + (-5x) + 8 =$