

Name: _____

Subject: Mathematics

Date: _____

Topic: Algebra

Sub-topic: Simplifying Algebraic Expression

Instruction: 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 the secret message.

Remember to **show all working**.

1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 !

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. $4n^2$
--	--	---