

Name _____ Date _____

Polynomials *Hidden Message*

Add or subtract the polynomials on the left. Find the resulting expression in the box to the right. Evaluate your expression using $x=2$. Write the letter next to your expression that matches the solution to your expression in the box below to solve the pun.

Why should you not play cards on the savannah?

1. $(-2x + 9x^2 - 5) + (2x^2 + 9)$
2. $(5 - 10x^3 - 3x^2) + (6x^3 - 4x^2)$
3. $(10x + 6 + 4x^2) - (-10 + 6x)$
4. $(10 + 7x - 3x^2) + (6x^2 + 7x)$
5. $(-4 - 10x + 6x^4) - (2x - 3)$
6. $(12x^3 - 9 - 2x^4) - (-x^4 - 7x^3)$
7. $(5 - 10x^3 - 3x^2) + (5x^3 - 4x^2)$
8. $(10 + x + 10x^3) + (-3x^3 - 7)$
9. $(-2x^4 - 7x^3 + 3) - (-11x^3 + 11)$
10. $(-4x^2 + 5x - 8x^4) + (9x^4 + 4x)$
11. $(-5 + 6x^3 - 10x^2) + (3x^2 - 4x^3)$
12. $(7x^2 + 7x^4 + 6) + (3 - 7x^2)$
13. $(x^4 + 8x^3 - 6x) - (5x^4 - 7x)$
14. $(-11x^4 + 3x + 8x^2) + (11x^4 - 8x^2)$

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|----------|---------------------|----------|--------------------|
| L | $-x^4 + 19x^3 - 9$ | I | $7x^4 + 14x^2 + 9$ |
| E | $6x^4 - 12x - 1$ | T | $11x^2 - 2x + 4$ |
| A | $-4x^3 - 7x^2 + 5$ | Y | $-3x^4 + 5x^3 - 9$ |
| X | $13x^3 + x + 3$ | A | $x^4 - 4x^2 + 9x$ |
| M | $16x^2 + 3x$ | H | $-4x^4 + 8x^3 + x$ |
| P | $6x^4 + 8x^3 + x$ | G | $-5x^3 - x^2 + 5$ |
| N | $3x^2 + 7x + 10$ | H | $7x^3 + x + 3$ |
| S | $3x^2 + 14x + 10$ | C | $4x^2 + 4x + 16$ |
| T | $7x^4 + 9$ | E | $-2x^4 + 4x^3 - 8$ |
| R | $4x^2 + 4x - 4$ | D | $6x^4 - 8x - 1$ |
| K | $2x^3 - 6x^2 - 5$ | F | $-4x^3 + 7x^2 + 5$ |
| J | $7x^2 - 2x + 4$ | | |
| L | $-5x^3 - 7x^2 + 5$ | | |
| Z | $13x^4 - 4x^2 + 9x$ | | |
| H | $2x^3 - 7x^2 - 5$ | | |
| E | $3x$ | | |



18	127	-63	52	44	-17	5	39	40	2	-8	71	121	-55	61	50
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