Task card 1 Classifying & Adding/Subtracting P...

Name $4 + 4x^4$ by its degree and its number of terms (for example: quadratic trinomial).

Task card 2 Classifying & Adding/Subtracting P...

Write in standard form: $8x^5 - 10x - 4 - 10x^3$

Task card 3 Classifying & Adding/Subtracting P...

Subtract $(-3x^3 + 9x^2 + 9)$ from $(-4x^3 + x^2 - 8)$.

Task card 4 Classifying & Adding/Subtracting P...

Add: $(4x^3 + 7x^2 + 11x) + (-2x^3 + 8x^2 + 11x)$

Task card 5 Classifying & Adding/Subtracting P...

Find the leading coefficient of the polynomial $3x^2 + 10x^6$.

Task card 6 Classifying & Adding/Subtracting P...

Subtract: $(8x^3 + 10x + 7) - (11x^3 + 8x + 6)$

Task card 7 Classifying & Adding/Subtracting P...

Find the degree of the polynomial $-8x - 2x^6$.

Task card 8 Classifying & Adding/Subtracting P...

Subtract $(8x^3 + 6x^2 + 3x)$ from $(4x^3 + x^2 + 11x)$.

Task card 9 Classifying & Adding/Subtracting P...

Name $-2x + 4x^2$ by its degree and its number of terms (for example: quadratic trinomial).

Task card 10 Classifying & Adding/Subtracting P...

Write in standard form: $-11x^2 + 11x^6 + 12x^3$

Task card 11 Classifying & Adding/Subtracting P...

Subtract $(-6x^3 - 9x^2 + 6)$ from $(-5x^3 - 9x^2 + 5)$.

Task card 12 Classifying & Adding/Subtracting P...

Add: $(5x^3 + 4x^2 + 4) + (-9x^3 + 7x - 2)$

Task card 13 Classifying & Adding/Subtracting P...

Find the leading coefficient of the polynomial $-2x^2 - 7 + 12x$.

Task card 14 Classifying & Adding/Subtracting P...

Subtract: $(2x^3 - 3x^2 + 8x) - (10x^3 - 11x^2 + 11)$

Task card 15 Classifying & Adding/Subtracting P...

Find the degree of the polynomial $-4 + 10x^6$.

Task card 16 Classifying & Adding/Subtracting P...

Subtract $(6x^3 + 11x^2 - 12)$ from $(9x^3 + 4x^2 - 8)$.

Task card 17 Classifying & Adding/Subtracting P...

Name $-7x^2$ by its degree and its number of terms (for example: quadratic trinomial).

Task card 18 Classifying & Adding/Subtracting P...

Write in standard form: $-10 + 11x^5 + 9x^2$

Task card 19 Classifying & Adding/Subtracting P...

Subtract $(10x^3 - 9x + 10)$ from $(-6x^3 + 7x + 5)$.

Task card 20 Classifying & Adding/Subtracting P...

Add: $(-7x^3 - 8x^2 + 10) + (4x^3 - 10x + 10)$

Task card 21 Classifying & Adding/Subtracting P...

Find the leading coefficient of the polynomial $-1 + 8x^3 - 11x^2 + 5x$.

Task card 22 Classifying & Adding/Subtracting P...

Subtract: $(8x^3 + 10x + 11) - (11x^3 + 10x^2 + 7x)$

Task card 23 Classifying & Adding/Subtracting P...

Find the degree of the polynomial $6x^2 - 6 - x$.

Task card 24 Classifying & Adding/Subtracting P...

Subtract $(10x^3 - 9x^2 + 8x)$ from $(-5x^3 - 6x + 11)$.

Classifying & Adding/Subtracting Polynomials Task Cards

Recording sheet · Grade 9 · Write polynomials in standard form (highest power first) and type powers with ^, like 3x^2 - 5x + 1. Name polynomials with words, like quadratic trinomial.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Classifying & Adding/Subtracting Polynomials Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. quartic binomial	**2.** $8x^5 - 10x^3 - 10x - 4$	**3.** $-x^3 - 8x^2 - 17$
4. $2x^3 + 15x^2 + 22x$	**5.** 10	**6.** $-3x^3 + 2x + 1$
7. 6	**8.** $-4x^3 - 5x^2 + 8x$	**9.** quadratic binomial
10. $11x^6 + 12x^3 - 11x^2$	**11.** $x^3 - 1$	**12.** $-4x^3 + 4x^2 + 7x + 2$
13. -2	**14.** $-8x^3 + 8x^2 + 8x - 11$	**15.** 6
16. $3x^3 - 7x^2 + 4$	**17.** quadratic monomial	**18.** $11x^5 + 9x^2 - 10$
19. $-16x^3 + 16x - 5$	**20.** $-3x^3 - 8x^2 - 10x + 20$	**21.** 8
22. $-3x^3 - 10x^2 + 3x + 11$	**23.** 2	**24.** $-15x^3 + 9x^2 - 14x + 11$