

Name: _____

Date: _____

Standard form: highest power first. Degree = biggest exponent. To subtract, distribute the minus to EVERY term. Last two are challenges.

1. State the degree of $4x^3 + 2x - 6$.

show your work

2. State the leading coefficient and constant of $4x^3 + 2x - 6$.

show your work

3. Write in standard form: $5 + 2x^3 - x$.

show your work

4. $(3x + 4) + (2x + 5) = ?$

show your work

5. $(x^2 + 3x) + (2x^2 - x) = ?$

show your work

6. $(5x + 7) - (2x + 3) = ?$

show your work

7. $(x^2 + 2x - 5) - (2x^2 - 3x + 4) = ?$
(Trainer echo - Jan 2026 Q22!)

show your work

8. Is $4x^5 - 8x^2 + 5$ a trinomial?
What is its constant term? (Trainer echo!)

show your work

9. $(5x^3 + 3x - 4) - (6x^3 - 2x + 8) = ?$ ★ CHALLENGE
(Trainer echo - Aug 2025 Q21!)

show your work

10. Find k so that $(3x^2 + kx - 2) + (2x^2 - 5x + 7)$ has NO x -term. ★ CHALLENGE

show your work