

NOTE CATCHER

#1: What is a polynomial expression?

For the following polynomial:

$$2x^3 + 5x - 7$$

- Circle each term.
- Underline each coefficient.
- Put a star next to each exponent.
- Draw a box around the constant.

#2: When adding and simplifying polynomials ...

- 1) Remove _____.
- 2) Identify _____.
- 3) _____ (or combine) like terms.
- 4) Write in standard form.

When subtracting polynomials, _____ the _____ to each term within the second expression.

#3: Adding Horizontally or Vertically

Try This:

Add $(-5x^6 - 2x^4 + 9x^3 + 2x - 4)$ and $(7x^5 - 8x^4 - 2x - 11)$.

#4: Subtracting Horizontally or Vertically

Try This:

Find the difference between $(14x^5 - 8x^4 + 11x^2 + x)$ and $(-4x^5 + 7x^3 - 9x^2 + 18)$.