

Exit Ticket: Adding and Subtracting Polynomials

**Write the polynomial in standard form.
Then name the polynomial based on its
degree and number of terms.**

- 1** $2 - 11x^2 - 8x + 6x^2$
- Ⓐ $-5x^2 - 8x + 2$; quadratic trinomial
 - Ⓑ $-5x^2 - 8x$; quadratic binomial
 - Ⓒ $-6x^2 - 8x - 2$; cubic polynomial
 - Ⓓ $6x^2 - 8x + 2$; cubic trinomial

What is the sum or difference?

2 $2y^5 - 10y^5$

Simplify the sum.

3 $(3u^3 + 8u^2 + 2) + (3u^3 - 5u + 3)$

Simplify the difference.

4 $(3w^2 - 7w - 5) - (6w^2 + 3w - 3)$

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Answer Section**1** A**2** $-8y^5$ **3** $6u^3 + 8u^2 - 5u + 5$ **4** $-3w^2 - 10w - 2$