

Polynomials**Adding and Subtracting Polynomials**

$$(x^2 + 4x + 2) - (2x^2 + 7x - 6) = -x^2 - 3x + 8$$

Add or subtract the polynomials by combining like terms.

1. $(2x^2 + 3x + 2) - (6x^3 - 3x^2 + 8) =$

2. $(4y^2 - 9y) - (-5y^2 + 8y - 8) =$

3. $(-3x^2 - 4x^3 - 1) - (2x^3 - 7x - 9) =$

4. $(6x^2 + 2x + 6) - (4x^2 - 2x + 3) =$

5. $(-2x^3 + 3x^2 + 9) + (-8x^3 - 2x^2 + -4x) =$

6. $(2x^2 - 9x - 8) - (2x^3 - 7x^2 + -2) =$

7. $(4x^3 - 2x^2 - 12) + (6x^2 + 3x + 8) =$

8. $(3x^4 - 3x + 1) - (4x^3 - 4x - 8) =$

9. $(-6x^2 - 3x^3 + 4) + (-7x^3 + 2x + 4) - (-3x^3 + 5x^2 + 2) =$

10. $(4x^2 + 6x + 3) + (3x^2 - 3x - 2) + (-4x^2 + 3x - 9) =$

11. $(7x^2 - x - 5) - (3x^2 - 3x + 5) =$

12. $(x^3 - x^2 + 3) - (3x^3 - x^2 + 7) =$

13. $(-2x^2 + 4x - 12) + (5x^2 - 5x) =$

14. $(9x^2 - 7x + -4) + (3x^3 - 4x + -5) + (-4x^2 - 2x - 5) =$

15. $(4x^3 - 5x^2 - 9) - (6x^3 - 5x - 4) - (5x^3 - 4x^2 - 10) =$