

Adding and Subtracting Polynomials

Directions: Simplify each expression.

1. $(5x^2 - 2x - 2) + (3x^2 + x - 1) =$
2. $(2x^2 + 5x - 3) + (12x^2 - 4x + 4) =$
3. $(10x^3 - 6x^2 + 2x) + (5x^2 + 2x + 3) =$
4. $(7y^2 + 4y - 1) - (2y^2 + 4y - 12) =$
5. $(3m^2 - 2m - 2) - (2m^2 + m + 1) =$
6. $(5y^3 + 2y - 12) - (3y^2 - 5y - 7) =$
7. $-(3a^2 + a + 2) + (-9a + 5) + 5a^2 =$
8. $(-4a^3 - a^2 + 8a) - (-9a^3 + 6a^2 - 3) =$
9. $-(3c^2 - 4c - 9) + (6c^2 + 3c + 7) =$
10. $(-7x^3 + 5x^2 - 9) - (2x - 9) =$
11. $(3y + 2) - 5y^2 + (3y^3 - y - 1) =$
12. $(-12x^2 - 3x) + 5x - (x^2 - 2) =$
13. $7z^3 - (3x^2 + 3) + (-2x - x - 1) =$
14. $8m^2 + (-12m + 6) - (3m^3 + 1) + 5m^3 =$
15. $(-6x + 2) - (3x - 1) - 2x^2 - (-3x^2 - 1) =$
16. $(4a + 2) + (5a + 5) + a^2 + (2a^2 + 1) =$
17. $(12y^3 - 4y - 2) - 5y^3 - (3y^2 - 2) =$
18. $-5c^2 + 3c - (-4c^3 + c^2 - 8) + 2c^3 + (c^2 - 5c + 7) =$
19. $8a^3 - (6a + 3) - 3a + 4 + (5a - 3) =$
20. $(3x + 3) + (x^2 + 9x - 2) - 13x - (2x - 1) - x^2 =$

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