



MAth on the Fly!



NAME: _____ DATE: _____

Subtracting Polynomials

Simplify each expression below.

1. $(4x^2 + 10x + 8) - (3x^2 + 4x + 1)$

2. $(6x^2 - 11x + 2) - (-5x^2 - x - 7)$

3. $(-8x^2 + 4x - 9) - (-2x^2 + 3x + 6)$

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

5. $(-5x^2 + 14) - (-x^3 + 6x^2 + 8x)$

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

7. $3(2x^2 + 6x - 1) - 2(8x^2 + x + 4)$

8. $-7(x^3 + 3) - 6(4x - 5x^2) - 4(x^2 - x^3 - 2)$

SOLUTIONS

1. $x^2 + 6x + 7$

2. $11x^2 - 10x + 9$

3. $-6x^2 + x - 15$

4. $x^3 + 7x + 5$

5. $x^3 - 11x^2 - 8x + 14$

6. $3x^3 - 2x^2 + 4x - 6$

7. $-10x^2 + 16x - 11$

8. $-3x^3 + 26x^2 - 24x - 13$