

Name: Class: 

## Adding Polynomials

1.  $(5x^2 - 8x + 1) + (2x^2 - 4x - 11)$

5.  $(5x^2 + 2x - 1) + (4x^2 - x - 9)$

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

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

3.  $(14x^2 - 11x - 2) + (3x^2 + 6x - 5)$

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

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

8.  $(4x^2 - x - 7) + (2x^3 + 6x^2 - 11)$

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## Subtracting Polynomials

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

5.  $(6x^2 - 5x + 4) - (10x^2 - 4x + 7)$

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

6.  $(7x^3 + 3x^2 + 4x + 10) - (10 + 8x + 3x^3)$

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

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

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

8.  $(8x^3 + 3x^2 - 8x + 10) - (7 + 5x^2 + 5x^3)$

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## Adding and Subtracting Polynomials

1.  $(5p^2 - 3) + (2p^2 - 3p^3)$

5.  $(3a^2 + 1) - (4 + 2a^2)$

2.  $a^3 - 2a^2) - (3a^2 - 4a^3)$

6.  $(4r^3 + 3r^4) - (r^4 - 5r^3)$

3.  $(4 + 2n^3) + (5n^3 + 2)$

7.  $(5a + 4) - (5a + 3)$

4.  $(4n - 3n^3) - (3n^3 + 4n)$

8.  $(3x^4 - 3x) - (3x - 3x^4)$

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## Adding and Subtracting Polynomials

9.  $(-4k^4 + 14 + 3k^2) + (-3k^4 - 14k^2 - 8)$

13.  $(-x^4 + 13x^5 + 6x^3) + (6x^3 + 5x^5 + 7x^4)$

10.  $(3 - 6n^5 - 8n^4) - (-6n^4 - 3n - 8n^5)$

14.  $(9r^3 + 5r^2 + 11r) + (-2r^3 + 9r - 8r^2)$

11.  $(12a^5 - 6a - 10a^3) - (10a - 2a^5 - 14a^4)$

15.  $(13n^2 + 11n - 2n^4) + (-13n^2 - 3n - 6n^4)$

12.  $(8n - 3n^4 + 10n^2) - (3n^2 + 11n^4 - 7)$

16.  $(-7x^5 + 14 - 2x) + (10x^4 + 7x + 5x^5)$