Subtracting Polynomials

MATH MONKS

Find the difference.

1 $(-3x^2 + 8x^3 - 3x) - (4x^2 + 7x^3 - 12x)$

2 $(12x^3 - 17x^2 + 9 - 15x^5) - (-2x^5)$

3 $(8x^2 - 9x + 12) - (12x^2 - 9x - 19)$

4 $(5x^7 - 20x^3 + 2) - (6x^7 - 12x^3 + 3)$

5 $(8x^3 - 9x^2 + x + x^6 + 17x^3) - (11x^3 + 10x^6)$

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

7 $(20 - 10x^2 - 15x^3) - (-5x^3 + 2x^2 - 6)$

8 $(x^3 - 7x^2 - 5x) - (10x^2 + 6x^3 + 2)$

9 $(18x^3 - 16 + 13x^4) - (x^4 - 7x^3 - 3)$

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

11 $(19x^4 + 33x^8 + 24x^3) - (x^8 + 25x^3 + x^4 + 36)$

12 $(6x^3 + 12x^2 - 15x) - (4x^2 - 12x + 8)$

Subtracting Polynomials

MATH MONKS

Answers

1 $(-3x^2 + 8x^3 - 3x) - (4x^2 + 7x^3 - 12x)$

$x^3 - 7x^2 + 9x$

2 $(12x^3 - 17x^2 + 9 - 15x^5) - (-2x^5)$

$-13x^5 + 12x^3 - 17x^2 + 9$

3 $(8x^2 - 9x + 12) - (12x^2 - 9x - 19)$

$-4x^2 + 31$

4 $(5x^7 - 20x^3 + 2) - (6x^7 - 12x^3 + 3)$

$-x^7 - 8x^3 - 1$

5 $(8x^3 - 9x^2 + x + x^6 + 17x^3) - (11x^3 + 10x^6)$

$-9x^6 + 14x^3 - 9x^2 + x$

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

$-7x^5 + 14x^3 - 6x^2$

7 $(20 - 10x^2 - 15x^3) - (-5x^3 + 2x^2 - 6)$

$-10x^3 - 12x^2 + 26$

8 $(x^3 - 7x^2 - 5x) - (10x^2 + 6x^3 + 2)$

$-5x^3 - 17x^2 - 5x - 2$

9 $(18x^3 - 16 + 13x^4) - (x^4 - 7x^3 - 3)$

$12x^4 + 25x^3 - 13$

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

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

11 $(19x^4 + 33x^8 + 24x^3) - (x^8 + 25x^3 + x^4 + 36)$

$32x^8 + 18x^4 - x^3 - 36$

12 $(6x^3 + 12x^2 - 15x) - (4x^2 - 12x + 8)$

$6x^3 + 8x^2 - 3x - 8$