

Polynomials - single variable - decimals

Simplify each sum.

1) $(5.9x^2 + 3.6x^3) + (1.5x^2 - 3.9x^3)$

2) $(7.1x^4 - 2.74x) + (7.4x^4 - 5.9x)$

3) $(4.6n^3 + 4.9n^2) + (7.4n^3 - 1.3n^2)$

4) $(5.8r^4 + 7.5r^3) + (7.5r^3 - 3.7r^4)$

5) $(0.2 - 1.86x^4) + (6.4 - 4.5x^4)$

6) $(7k^3 - 6) + (7.5k^3 - 6.1)$

$$7) (2.33a^4 - 5.8a^2) + (1.6a^2 + 5.4a^4)$$

$$8) (0.2m^2 - 3.3m) + (7.6m + 7.6m^2)$$

$$9) (2.6n - 2) + (1.7 + 2.6n)$$

$$10) (1.4x - 0.7x^4) + (7.7x + 5.2x^4)$$

$$11) (3.8 + 0.6n^4) + (1.8 + 0.2n^4)$$

$$12) (2.6x - 0.674x^3) + (7.4x + 1.3x^3)$$

$$13) (5.1v^2 + 3.2) + (6.39 + 0.67v^2)$$

$$14) (3.591x - 7.2x^2) + (2.6x + 2.7x^2)$$

$$15) (1.7 - 2.8k^4) + (7.7k - 4.7k^4)$$

$$16) (6.9 + 0.64n^2) + (7.6n^4 - 2.3n^2)$$

$$17) (4.17m^3 + 3.4m) + (3.9 + 3.7m)$$

$$18) (0.4n^4 - 6.824n^2) + (4.6n^3 + 1.1n^4)$$

$$19) (1.2x^2 - 1.3x^4) + (4.2 + 6.8x^4)$$

$$20) (2 + 4.686n) + (5.3 - 3.37n^3)$$

$$21) (2.8x + 7.5x^3) + (7.72x^4 + 3x^3)$$

$$22) (7.9v - 4.2v^4) + (4.434v^3 - 7.2v^4)$$

$$23) (3.1p^3 + 6.07p^4) + (7p^3 - 6.2p^4)$$

$$24) (7.646k^3 + 4.7) + (2.4k^3 + 5.85)$$

$$25) (4.3 + 6.95n^2) + (2.2n^2 - 4.8)$$

$$26) (3m + 4.1m^4) + (0.1m + 2.3m^4)$$

$$27) (5.5n + 5.4) + (2.3n + 4.9)$$

$$28) (4.2x^4 + 6.7) + (2.34 - 2.7x^4)$$

$$29) (6.7 - 8n^3) + (2.4n^3 + 4.319)$$

$$30) (3.13x^3 - 1.1x) + (8x^3 + 7.2x)$$

Answers to Polynomials - single variable - decimals

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|----------------------------------|-------------------------------|----------------------------------|----------------------|
| 1) $-0.3x^3 + 7.4x^2$ | 2) $14.5x^4 - 8.64x$ | 3) $12n^3 + 3.6n^2$ | 4) $2.1r^4 + 15r^3$ |
| 5) $-6.36x^4 + 6.6$ | 6) $14.5k^3 - 12.1$ | 7) $7.73a^4 - 4.2a^2$ | 8) $7.8m^2 + 4.3m$ |
| 9) $5.2n - 0.3$ | 10) $4.5x^4 + 9.1x$ | 11) $0.8n^4 + 5.6$ | 12) $0.626x^3 + 10x$ |
| 13) $5.77v^2 + 9.59$ | 14) $-4.5x^2 + 6.191x$ | 15) $-7.5k^4 + 7.7k + 1.7$ | |
| 16) $7.6n^4 - 1.66n^2 + 6.9$ | 17) $4.17m^3 + 7.1m + 3.9$ | 18) $1.5n^4 + 4.6n^3 - 6.824n^2$ | |
| 19) $5.5x^4 + 1.2x^2 + 4.2$ | 20) $-3.37n^3 + 4.686n + 7.3$ | 21) $7.72x^4 + 10.5x^3 + 2.8x$ | |
| 22) $-11.4v^4 + 4.434v^3 + 7.9v$ | 23) $-0.13p^4 + 10.1p^3$ | 24) $10.046k^3 + 10.55$ | |
| 25) $9.15n^2 - 0.5$ | 26) $6.4m^4 + 3.1m$ | 27) $7.8n + 10.3$ | 28) $1.5x^4 + 9.04$ |
| 29) $-5.6n^3 + 11.019$ | 30) $11.13x^3 + 6.1x$ | | |