

Polynomials - single variable - decimals

Simplify each difference.

1) $(7.9v^2 - 5.4v) - (2.5v^2 + 0.1v)$

2) $(6.7p - 5.98p^2) - (3.2p - 7.5p^2)$

3) $(4.79n^2 + 0.4n^4) - (6.5n^4 + 2.4n^2)$

4) $(m - 2.8m^4) - (2.5m^4 - 2.3m)$

5) $(2.3b^3 - 0.2b) - (6.3b^3 - 4.6b)$

6) $(1 + 1.1n^2) - (0.4 - 4.563n^2)$

$$7) (3.5x^2 + 2.4) - (6.3 - 1.2x^2)$$

$$8) (2.2x^3 + 3.7x) - (0.5x - 4.4x^3)$$

$$9) (4.7x^4 + 5.1x^2) - (6.4x^4 + 6.7x^2)$$

$$10) (3.5k^4 + 6.4k^3) - (0.5k^4 - 6.8k^3)$$

$$11) (5.9p^4 + 7.7p^3) - (6.5p^3 + 4.3p^4)$$

$$12) (4.7m^3 - 1.58m^2) - (3m^3 + 0.3m^2)$$

$$13) (7.1 - 5.8n^2) - (6.31n^2 + 1)$$

$$14) (5.9b - 4.5b^4) - (0.7b + 6.03b^4)$$

$$15) (0.3n^4 - 3.2) - (6.6 - 0.4n^4)$$

$$16) (4.1x^4 + 5x^2) - (2.3 + 7.2x^2)$$

$$17) (4.9x^2 - 6.7x^3) - (2.7x^3 + 5.8)$$

$$18) (2p^2 - 2.3p^3) - (6.8p^4 - 3.2p^2)$$

$$19) (2.8k^2 + 2.1k) - (7.2k - 4.5)$$

$$20) (4.4m^3 - 5.2m) - (7.3m^3 + 5.25m)$$

$$21) (3.6r + 6.5) - (3.2 + 2.6r^2)$$

$$22) (5.1n^2 - 0.8n^3) - (7.7n^4 - 7.8n^2)$$

$$23) (5.1a^3 + 3.27a) - (2.5a^3 - 7.2a)$$

$$24) (7.6n^2 - 7.5n^3) - (n^3 - 7.4n^2)$$

$$25) (6.3x^2 - 6.2x) - (6.9x^2 - 4.8x)$$

$$26) (0.7x^3 - 4.9x) - (2.254x^3 + 3.4x)$$

$$27) (1.368p^4 + 5.1p^2) - (4.8p^4 + 4.1p^2)$$

$$28) (1.9 - 2.3k^3) - (2.99k^3 + 4.8)$$

$$29) (0.7r^2 - r^3) - (7.1r^2 + 0.51r^3)$$

$$30) (3.1b^4 + 1.44b^2) - (3.6b^4 + 6.2b^2)$$

Answers to Polynomials - single variable - decimals

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|----------------------------------|------------------------------|---------------------------------|------------------------|
| 1) $5.4v^2 - 5.5v$ | 2) $1.52p^2 + 3.5p$ | 3) $-6.1n^4 + 2.39n^2$ | 4) $-5.3m^4 + 3.3m$ |
| 5) $-4b^3 + 4.4b$ | 6) $5.663n^2 + 0.6$ | 7) $4.7x^2 - 3.9$ | 8) $6.6x^3 + 3.2x$ |
| 9) $-1.7x^4 - 1.6x^2$ | 10) $3k^4 + 13.2k^3$ | 11) $1.6p^4 + 1.2p^3$ | 12) $1.7m^3 - 1.88m^2$ |
| 13) $-12.11n^2 + 6.1$ | 14) $-10.53b^4 + 5.2b$ | 15) $0.7n^4 - 9.8$ | |
| 16) $4.1x^4 - 2.2x^2 - 2.3$ | 17) $-9.4x^3 + 4.9x^2 - 5.8$ | 18) $-6.8p^4 - 2.3p^3 + 5.2p^2$ | |
| 19) $2.8k^2 - 5.1k + 4.5$ | 20) $-2.9m^3 - 10.45m$ | 21) $-2.6r^2 + 3.6r + 3.3$ | |
| 22) $-7.7n^4 - 0.8n^3 + 12.9n^2$ | 23) $2.6a^3 + 10.47a$ | 24) $-8.5n^3 + 15n^2$ | |
| 25) $-0.6x^2 - 1.4x$ | 26) $-1.554x^3 - 8.3x$ | 27) $-3.432p^4 + p^2$ | 28) $-5.29k^3 - 2.9$ |
| 29) $-1.51r^3 - 6.4r^2$ | 30) $-0.5b^4 - 4.76b^2$ | | |