

Polynomials - two variables - decimals

Simplify each expression.

1) $(3.7x^4y^2 + 3.79y^3) + (9.7x^4y^2 + 4.1y^3)$

2) $(8.5uv^3 - 8.7u^4v) + (2.2uv^3 - 3.851u^4v)$

3) $(1.5n^3 + 1.32m^4n^2) - (2n^3 - 7.6m^4n^2)$

4) $(5.9xy - 5.9x^4y) - (0.4x^4y - 8.9x^3y)$

5) $(1.601x^3y^2 + 3.5x^3y^3) + (9.04x^3y^3 + 7.5x^3y^2)$

6) $(4.2x^3y^3 + 7.2xy^3) + (8.3x^3y^3 + 3.1xy^3)$

7) $(3.8u^3v^2 + 1.9v^4) - (0.25v^4 - 7.84u^3v^2)$

$$8) (9.1m^3n^3 - 7.6m^4n^4) - (6.5m^4n^4 + 7.8m^3n^3)$$

$$9) (9.5 - 2.2x^2y^3) - (0.4x^2y^3 - 7)$$

$$10) (8.2x^2y^4 - 7.2y) + (4.6x^2y^4 - 6.8y)$$

$$11) (4.7x^3y^4 + 8.4y^4) - (2.5x^3y^4 + 2.6y^4)$$

$$12) (9.6x^3 - 6.4x^2) + (0.8x^3 + 7.6x^2)$$

$$13) (7.8a^4 - 1.4ab^4) + (5.29a^4 - 7.7ab^4)$$

$$14) (4.8xy^4 + 4.2x) - (7.09x - 7.4xy^4)$$

15) $(5.656a^2b^4 + 7.4a^2b) + (1.7a^2b + 0.6a^2b^4)$

16) $(1.5 - 5.699x^4y) - (1.3 + 3.398x^4y)$

17) $(0.5m - 3.9) - (1.8 - 3.5m)$

18) $(5.4x^3y^2 + 5.3xy) - (7.3xy - 6.18x^3y^2)$

19) $(5.8xy^2 - 9.5xy) + (1.1xy^2 + 2.3xy)$

20) $(0.6u^4v - 8.73u^3v) + (4.9u^3v + 0.9u^4v)$

21) $(1 + 1.2y^2) + (3.3y^2 - 8.3)$

22) $(3.84ab^2 - 2b) + (0.6ab^2 - 3.2b)$

23) $(6.4x^3y^2 - 8.3y^3) + (5.4y^3 + 1.6x^3y^2)$

24) $(1.1a^4b^2 - 3b) - (3.7a^4b^2 + 6.8b)$

25) $(1.6x^4y^3 + 2.3x^2y^3) - (7.6x^4y^3 - 8.6x^2y^3)$

26) $(4.9y^2 - 6.9x^2y) - (6.1x^2y + 4.95y^2)$

27) $(0.5m^4n^2 + 1.8n^4) + (6.6n^4 + m^4n^2)$

28) $(9.4x^4y^3 - 6.4y^4) - (6.4x^3y^3 - 9.31y^4)$

29) $(3.7uv^3 - 0.066u^3v^4) - (8.6u^3v - 8.2uv^3)$

30) $(8.1x^2y^3 + 5.9x^4) + (0.5x^2y^3 + 2.6y^4)$

Answers to Polynomials - two variables - decimals

- 1) $13.4x^4y^2 + 7.89y^3$ 2) $-12.551u^4v + 10.7uv^3$ 3) $8.92m^4n^2 - 0.5n^3$
4) $-6.3x^4y + 8.9x^3y + 5.9xy$ 5) $12.54x^3y^3 + 9.101x^3y^2$ 6) $12.5x^3y^3 + 10.3xy^3$
7) $11.64u^3v^2 + 1.65v^4$ 8) $-14.1m^4n^4 + 1.3m^3n^3$ 9) $-2.6x^2y^3 + 16.5$
10) $12.8x^2y^4 - 14y$ 11) $2.2x^3y^4 + 5.8y^4$ 12) $10.4x^3 + 1.2x^2$ 13) $-9.1ab^4 + 13.09a^4$
14) $12.2xy^4 - 2.89x$ 15) $6.256a^2b^4 + 9.1a^2b$ 16) $-9.097x^4y + 0.2$
17) $4m - 5.7$ 18) $11.58x^3y^2 - 2xy$ 19) $6.9xy^2 - 7.2xy$ 20) $1.5u^4v - 3.83u^3v$
21) $4.5y^2 - 7.3$ 22) $4.44ab^2 - 5.2b$ 23) $8x^3y^2 - 2.9y^3$ 24) $-2.6a^4b^2 - 9.8b$
25) $-6x^4y^3 + 10.9x^2y^3$ 26) $-13x^2y - 0.05y^2$ 27) $1.5m^4n^2 + 8.4n^4$
28) $9.4x^4y^3 - 6.4x^3y^3 + 2.91y^4$ 29) $-0.066u^3v^4 + 11.9uv^3 - 8.6u^3v$
30) $8.6x^2y^3 + 5.9x^4 + 2.6y^4$