

Addieren und Subtrahieren mit Variablen

Lösungsblatt

Level I:

$x^2 + x^2 + x^2 + x^2 = 4x^2$	$8m^4 - 15m^4 + 3m^4 + 20m^4 = 16m^4$
$3y^2 + y^2 + 2y^2 - y^2 = 5y^2$	$5f^3 - 7f^2 - 3f^3 + 2f^2 = 2f^3 - 5f^2$
$4a^3 - 3a^3 + 6a^3 - a^3 = 6a^3$	$-w^2 + 7w^3 - 11w^2 - 6w^3 = w^3 - 12w^2$
$14g^3 - 7g^3 + 2g^3 - 8g^3 = g^3$	$-9c + 5c^2 - 11c^2 + 5c = -6c^2 - 4c$
$12s^2 - 8s^2 + 2s^2 - 6s^2 = 0$	$3r^3 - 15r + 6r + 8r^3 = 11r^3 - 9r$

Level II:

$5d^2 + 3d^2 + 5e^2 - 2e^2 - d^2 = 7d^2 + 3e^2$	$6x^3 + 5y^2 - 8x^3 + 7y^2 + 2x^3 = 12y^2$
$4h^3 + 2i - h^3 + 5i + 7h^3 = 10h^3 + 7i$	$-a^3 + 5b - a^3 - 8b + 3b = -2a^3$
$7j - 8k^2 + 2j + k^2 + 5k = 9j - 7k^2 + 5k$	$15e^2 - 3f^2 - 15e^2 + 5f^2 - 2f^2 = 0$
$-n^3 + 8p^2 - 8n^3 - 7p^2 + 3n^3 = -6n^3 + p^2$	$27g + 18h^3 - 35g + 5h^3 + 9g = g + 23h^3$
$-11t - 2u^2 + 4t + 8u^2 - t = -8t + 6u^2$	$-5i^4 - 8h + 4i^4 + 8h - 5i^4 = -6i^4$

Level III:

$12x^2 - 7y + 9 - 13x^2 + 8y = -x^2 + y + 9$	$5,5j^3 - 2,4j^3 + 8,1j^3 - 0,7j^3 = 10,5j^3$
$-a^2 - 8b^3 + 15 + 7a^2 - 12 = 6a^2 - 8b^3 + 3$	$-4,8k^2 - 5,5k^2 + 2,1k^2 - 1,3k^2 = -9,5k^2$
$11e^2 + 6f^3 - 8 - 15e^2 + 4 = -4e^2 + 6f^3 - 4$	$7,7m^3 - 8m^3 + 2,5m^3 - 6,4m^3 = -4,2m^3$
$-r + 3r^2 - 4r^3 - 2r - 4r^2 = -3r - r^2 - 4r^3$	$n + 18,6n^2 - 4,5n^2 - 12n = 14,1n^2 - 11n$
$-29x^2 + 5x^3 - x - 31x^2 + x - 5x^3 = -60x^2$	$-17p^3 + 7,9p^2 - 0,4p^2 - 7,5p^2 + 18p^3 = p^3$