

Lösungen zu den Übungen zum Ausklammern

$ax + bx$	$x \cdot (a + b)$
$bx^2 - cx^2$	$x^2 \cdot (b - c)$
$x^2 + 2xy$	$x \cdot (x + 2y)$
$x^3 + 2x^2 + x$	$x \cdot (x^2 + 2x + 1)$
$x^4 - 2x^3 + 6x^2 - 3x^5$	$x^2 \cdot (x^2 - 2x + 6 - 3x^3)$
$a^2b^3 + ab^2$	$ab^2 \cdot (ab + 1)$
$2a^2 + 2ab + 4a^2b^2$	$2a \cdot (a + b + 2ab^2)$
$x^3y^2 - 3x^2y^3$	$x^2y^2 \cdot (x - 3y)$
$x^2y^3 + x^2y^4 - x^3y^2$	$x^2y^2 \cdot (y + y^2 - x)$
$4x^2y^5 - x^2y^3$	$x^2y^3 \cdot (4y^2 - 1)$
$15x^4y^3z + 25x^4y^3z$	$5xy^3z \cdot (3yz^2 + 5x^3)$
$18x^2y^3 - 9xy^6$	$9xy^3 \cdot (2x - y^3)$
$30a^2b^3c^8 - 20a^2b^2c^9 + 55a^3b^4c^6$	$5a^2b^2c^6 \cdot (6bc^2 - 4c^3 + 11ab^2)$
$24xyz^3 + 36x^2y^2z^3 - 72x^2y^2z^4$	$12xyz^3 \cdot (2 + 3xy - 6xyz)$
$56a^3b^6c^4 - 64a^3b^2c^6 + 24a^4b^6c$	$8a^3b^2c \cdot (7b^4c^3 - 8c^5 + 3ab^4)$
$\frac{3}{10}x^3y^4 + \frac{27}{10}x^2y^3$	$\frac{3}{10}x^2y^3 \cdot (xy + 9)$
$\frac{8}{5}x^2y^6 - \frac{2}{5}x^3y^5$	$\frac{2}{5}x^2y^5 \cdot (4y - x)$