

Раскрытие скобок и приведение подобных



$$\begin{aligned}1) (2a + b)(5b - 8a) &= \\ &= (2a + b) * 5b - (2a + b) * 8a = \\ &= 5b * 2a + 5b * b - 8a * 2a - 8a * b = \\ &= 10ba + 5b^2 - 16a^2 - 8ab = \\ &= (10-8) * ab + 5b^2 - 16a^2 = \\ &= 2ab + 5b^2 - 16a^2\end{aligned}$$

$$\begin{aligned}2) (-2a + b - 2ab)(11a - 3ab) &= \\ &= (11a - 3ab) * -2a + (11a - 3ab) * b + (11a - 3ab) * -2ab = \\ &= (-2a) * 11a + 2a * 3ab + b * 11a + b * (-3ab) + (-2ab) * 11a + 2ab * 3ab = \\ &= -22a^2 + 6a^2b + 11ba - 3ab^2 - 22ba^2 + 6a^2b^2 = \\ &= (6-22) * a^2b - 22a^2 + 11ba - 3ab^2 + 6a^2b^2 = \\ &= -16 * a^2b - 22a^2 + 11ba - 3ab^2 + 6a^2b^2\end{aligned}$$

$$\begin{aligned}-(a-b) * c &= (-1) * (a + (-1) * b) * c = \\ &= (a-b) * (-1) * c = (a-b) * (-c) = \\ &= -ac + bc\end{aligned}$$

$$((-1) * 2 * a + b + (-1) * 2 * a * b) * (11 * a + (-1) * 3 * a * b)$$