

Polynomien muuttujan nöt

$$(a+b)(a+b) = a^2 + \underline{ab} + \underline{ab} + b^2 = \underline{a^2 + 2ab + b^2}$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$(a-b)^2 = a^2 - 2ab + b^2$$

$$(a+b)(a-b) = a^2 + \underline{ab} - \underline{ab} + b^2 = a^2 - b^2$$

$$(a+b)(a-b) = a^2 - b^2$$

Exim. $(\frac{2x}{a} + \frac{3}{b})^2 = \frac{(2x)^2}{a^2} + 2 \cdot \frac{2x}{a} \cdot \frac{3}{b} + \frac{3^2}{b^2}$

Exim. $(5x^2 - 4x)^2 = \frac{(5x^2)^2 - 2 \cdot 5x^2 \cdot 4x + (4x)^2}{25x^4 - 40x^3 + 16x^2}$

Exim. $(9x^2 - 3x)(9x^2 + 3x) = \frac{(9x^2)^2 - (3x)^2}{81x^4 - 9x^2}$