



ING. KATEŘINA KAŠPAROVÁ, PHD.

Algebraické vzorce

Vzorce pro druhé mocniny dvojčlenů

$$(a + b)^2$$

$$(a - b)^2$$

$$(a + b)(a - b)$$

$$3^2 = 3 \cdot 3$$

$$6^2 = 6 \cdot 6$$

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

$b \cdot a = a \cdot b$ $a^2 + 2ab + b^2$

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

$-ba = -ab$ $a^2 - 2ab + b^2$

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

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

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

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

$$(3x + 4)^2 =$$

$$(5 - y)^2 =$$

$$(b - 3)(b + 3) =$$

$$\left(\frac{1}{4} + x\right)^2 =$$

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