

Př. 1: Uprav:

$$(a + 3)^2 =$$

$$(x - 4)^2 =$$

$$(z - 7)^2 =$$

$$(c - 6)^2 =$$

$$(y + 10)^2 =$$

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

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

$$(x + 2y)^2 =$$

$$(3x - 4y)^2 =$$

$$(2a + 3b)^2 =$$

$$(ab + c)^2 =$$

Př. 2: Uprav:

$$a^2 - 4ab + 4b^2 =$$

$$x^2 - 4xy + 4y^2 =$$

$$4x^2 - 4x + 1 =$$

$$a^2 - 4ac + 4c^2 =$$

$$1 - 2a + a^2 =$$

$$4 - 4b + b^2 =$$

$$c^2 - 8c + 16 =$$

$$x^2 - 10x + 25 =$$

$$z^2 - 16z + 64 =$$

$$p^2 - 8p + 16 =$$

$$4a^2 - 4a + 1 =$$

$$4c^2 - 8c + 4 =$$

$$4d^2 + 16d + 16 =$$

$$16e^2 + 8e + 1 =$$

$$a^2b^2 + 2ab + 1 =$$

$$a^2c^2 - 2ac + 1 =$$

$$16 - 16a + 4a^2 =$$

$$49 - 14ab + a^2b^2 =$$

$$1 - 2ab + a^2b^2 =$$

$$25 + 40a + 16a^2 =$$

$$x^2y^2 + 2xyz + z^2 =$$

Př. 3: Urči hodnotu výrazu:

$$x = 0; y = 4$$

$$2x + 3 =$$

$$7xy + 2 =$$

$$-13x + 7y =$$

$$26x - 4y =$$

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

Př. 4: Urči hodnotu výrazu:

$$a = 3; b = -2; c = 5$$

$$2a + 3b + 4 =$$

$$7a + 2b + 4 =$$

$$(2a + 3)^2 - (3a + c) =$$

$$4a(2b - c) =$$

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