

Př. 1: Uprav:

$$\begin{aligned}(a + 3)^2 &= \\(x - 4)^2 &= \\(z - 7)^2 &= \\(c - 6)^2 &= \\(y + 10)^2 &= \\(2a - 5)^2 &= \\(2a + b)^2 &= \\(x + 2y)^2 &= \\(3x - 4y)^2 &= \\(2a + 3b)^2 &= \\(ab + c)^2 &= \end{aligned}$$

Př. 2: Uprav:

$$\begin{aligned}a^2 - 4ab + 4b^2 &= \\x^2 - 4xy + 4y^2 &= \\4x^2 - 4x + 1 &= \\a^2 - 4ac + 4c^2 &= \\1 - 2a + a^2 &= \\4 - 4b + b^2 &= \\c^2 - 8c + 16 &= \\x^2 - 10x + 25 &= \\z^2 - 16z + 64 &= \\p^2 - 8p + 16 &= \\4a^2 - 4a + 1 &= \\4c^2 - 8c + 4 &= \\4d^2 + 16d + 16 &= \\16e^2 + 8e + 1 &= \\a^2b^2 + 2ab + 1 &= \\a^2c^2 - 2ac + 1 &= \\16 - 16a + 4a^2 &= \\49 - 14ab + a^2b^2 &= \\1 - 2ab + a^2b^2 &= \\25 + 40a + 16a^2 &= \\x^2y^2 + 2xyz + z^2 &= \end{aligned}$$

Př. 3: Urči hodnotu výrazu:

$$\begin{aligned}x = 0; y = 4 \\2x + 3 = \\7xy + 2 = \\-13x + 7y = \\26x - 4y = \\(2x + 3y)^2 = \end{aligned}$$

Př. 4: Urči hodnotu výrazu:

$$\begin{aligned}a = 3; b = -2; c = 5 \\2a + 3b + 4 = \\7a + 2b + 4 = \\(2a + 3)^2 - (3a + c) = \\4a(2b - c) = \end{aligned}$$

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