

6. 5. 2020

Př. 1: Uprav:

$$\begin{aligned}(a + 3)^2 &= \textcolor{red}{a^2 + 6a + 9} \\(x - 4)^2 &= \textcolor{red}{x^2 - 8x + 16} \\(z - 7)^2 &= \textcolor{red}{z^2 - 14z + 49} \\(c - 6)^2 &= \textcolor{red}{c^2 - 12c + 36} \\(y + 10)^2 &= \textcolor{red}{y^2 + 20y + 100} \\(2a - 5)^2 &= \textcolor{red}{4a^2 - 20a + 25} \\(2a + b)^2 &= \textcolor{red}{4a^2 + 4ab + b^2} \\(x + 2y)^2 &= \textcolor{red}{x^2 + 4xy + 4y^2} \\(3x - 4y)^2 &= \textcolor{red}{9x^2 - 24xy + 16y^2} \\(2a + 3b)^2 &= \textcolor{red}{4a^2 + 12ab + 9b^2} \\(ab + c)^2 &= \textcolor{red}{a^2b^2 + 2abc + c^2}\end{aligned}$$

Př. 2: Uprav:

$$\begin{aligned}a^2 - 4ab + 4b^2 &= \textcolor{red}{(a - 2b)^2} \\x^2 - 4xy + 4y^2 &= \textcolor{red}{(x - 2y)^2} \\4x^2 - 4x + 1 &= \textcolor{red}{(2x - 1)^2} \\a^2 - 4ac + 4c^2 &= \textcolor{red}{(a - 2c)^2} \\1 - 2a + a^2 &= \textcolor{red}{(1 - a)^2} \\4 - 4b + b^2 &= \textcolor{red}{(2 - b)^2} \\c^2 - 8c + 16 &= \textcolor{red}{(c - 4)^2} \\x^2 - 10x + 25 &= \textcolor{red}{(x - 5)^2} \\z^2 - 16z + 64 &= \textcolor{red}{(z - 8)^2} \\p^2 - 8p + 16 &= \textcolor{red}{(p - 4)^2} \\4a^2 - 4a + 1 &= \textcolor{red}{(2a - 1)^2} \\4c^2 - 8c + 4 &= \textcolor{red}{(2c - 2)^2}\end{aligned}$$