

Rozložte na součin výraz

a)

$$(3a - 1)^2 - (2b - 5)^2$$

b)

$$(2c + d)^2 - (3d - 1)^2$$

Rozložte na součin výraz - řešení

a)

$$(3a - 1)^2 - (2b - 5)^2$$

$$\begin{aligned}(3a - 1)^2 - (2b - 5)^2 &= (3a - 1 - 2b + 5) \cdot (3a - 1 + 2b - 5) = \\ &= \underline{\underline{(3a - 2b + 4) \cdot (3a + 2b - 6)}}\end{aligned}$$

b)

$$(2c + d)^2 - (3d - 1)^2$$

$$\begin{aligned}(2c + d)^2 - (3d - 1)^2 &= (2c + d - 3d + 1) \cdot (2c + d + 3d - 1) = \\ &= \underline{\underline{(2c - 2d + 1) \cdot (2c + 4d - 1)}}\end{aligned}$$
