

**Klíčová aktivita: IV/2 Inovace ke zkvalitnění výuky směřující k rozvoji
matematické gramotnosti žáků základních škol**

Matematika a její aplikace

I .123 Matematika

Rozložte na součiny podle vzorce: $a^2 - 2ab + b^2 = (a - b)^2$

$$z^2 - 2z + 1 =$$

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

$$v^2 - 0,6v + 0,09 =$$

$$p^2 - p + \frac{1}{4} =$$

$$-c^2 - 10c - 25 =$$

$$p^2 - 2p + 1 =$$

$$x^2 - 6xy + 9y^2 =$$

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

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

$$u^2 - 2uv + v^2 =$$

$$r^4 - 4r^2s + 4s^2 =$$

$$25r^2 - 30rs + 9s^2 =$$

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

$$16u^2 - 40uv + 25v^2 =$$

$$p^4 - 2m^2p^2 + p^4 =$$

$$25n^2 - 30n + 9 =$$

$$9a^2 - 6ab + b^2 =$$

$$16v^2 - 40v + 25 =$$

$$16a^2 - 32ab^3 + 9a^4 =$$

$$16a^4 - 24ab + 9b^2 =$$

$$16x^2 - 24xy + 9y^2 =$$

$$r^2 - 28rs + 49s^2 =$$

$$a^2 - 12a + 36 =$$

$$9x^2 - 6x + 1 =$$

$$4m^2 - 12m + 9 =$$

$$a^2 - b^2 - 20ab + 100 =$$

$$81 - 72r^2 + r^4 =$$

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

$$9 - 12r + 4r^2 =$$

$$u^2 - 8uv + 16v^2 =$$

$$4x^2 - 20xy + 25y^2 =$$

$$4m^2 - 12mn + 9n^2 =$$

$$a^2 - b^2 - 2abc + c^2 =$$

$$m^2 - 10mn + 25n^2 =$$

$$-u^2 + v^2 + 2uv =$$

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

$$k^2 - 16k + 16 =$$

$$36k^2 - 48km + 16m^2 =$$

$$100 - 20v + v^2 =$$

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

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

$$0,01c^2 - 0,1c + 0,25 =$$

$$\frac{x^2}{4} - 9x + 81 =$$

$$9a^2 - 6ab + b^2 =$$

$$81a^2 - 72ab + 16b^2 =$$

$$9 - 6r + r^2 =$$