

MATEMATIKA 1



- A-

1.TEST

Razred: _____

Ime in Priimek: _____

Datum: _____

Kriterij:

0-14 (1) 15-18 (2) 19-22 (3) 23- 26(4) 27-30(5)

1. Izračunaj:

$$\begin{aligned} & (40 + 36 - 7 + 9) + (121 - (3 + (7 + 0 + 5) + (9 - 3 + 7) + 36) - 33) - 10 \\ & (-3x^3y^5) \cdot (-5x^4y^2) \cdot (-1)^3 \\ & (2zx^2 - y^2)^3 \\ & (x^3 + 6y - 7)^2 \end{aligned}$$

$$1+1+2+2 = 6$$

2. Skrči, če je potrebno in razstavi:

$$\begin{aligned} & y(x-3) + x^2 - x - 3x + 3 \\ & 16(2x+5)^2 - 49(x-1)^2 \\ & 5a^6b - 5b^4a^3 + 10a^5b - 10b^4a^2 \\ & 3a^3 - 42a^2 + 39a \\ & (x+1)^3 - (x-2)^3 - 27 \\ & -y^2 + 3 - 2y \\ & 4x^4 - 4 \\ & x^3 - 3x^2 + 3x - 1 \\ & (7a-2b)^2 - (5a+2b)(5a-2b) - 6(4a^2 - b^2) = \\ & x^2 + 3x - 10 = \\ & x^2 - 3xy - 18y^2 = \\ & a^2 - 2ab + b^2 - c^2 = \\ & a^5 - 25a^3 + 8a^2 - 200 = \end{aligned}$$

$$2+2+2+2+2+1+2+1+3+1+2+2+2 = 24$$