

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 :

a. $\left((-3)^2 + (-3)^3\right) \cdot (-1)^3 - \left((-4)^3 \cdot (-2) - (-4)^2\right) + (-1)^{11}$

b. $(-3x^3y^5) \cdot (-5x^4y^2) \cdot (-1)^3$

c. $(-2x^2y + 3y^3)^3$

d. $(-2x + y^2 + 3x^3)^2$

$1+1+2+2$

2. Razstavi:

$$x^{2n+2} + x^{2n+1} - 2x^{2n}$$

$$a^8 - 5a^4 + 4$$

$$a^2(2x - y) + a(y - 2x) - 12(2x - y)$$

$$9ab^3 - 25a^3b$$

$$9(x + y)^2 - 4(x - y)^2$$

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

$$(4a - 3)^3 - (5 - 4a)(8a + 1) - 2(2a - 3)(8a(2a - 1) + 5)$$

$2+2+2+2+2+2+3$

MATEMATIKA 1



- B-

1.TEST

Razred:_____

Ime in Priimek:_____

Datum:_____

Kriterij:

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

1. Razstavi:

$$x^{2n+2} + x^{2n+1} - 2x^{2n}$$

$$9a^8 + 6a^4 + 1$$

$$a^2(4x - 3y) + a(3y - 4x) - 12(4x - 3y)$$

$$75x^3y^3 - 3xy$$

$$x^3 + (y + 1)^3$$

$$9(x - y)^2 - 4(x + y)^2$$

$$(4a - 3)^3 - (5 - 4a)(8a + 1) - 2(2a - 3)(8a(2a - 1) + 5)$$

$$2+2+2+2+2+2+3$$

2. Izračunaj:

a. $76 - (88 - (59 + 6)) + ((122 + 12 - 98 - 7) + 6 - (3 + 9 - 2) - 4) - 29$

b. $(-3x^3y^5) \cdot (-5x^4y^2) \cdot (-1)^3$

c. $(-2x^2 + y + 3y^3)^2$

d. $(-2xy^2 + 3x^3)^3$

$$1+1+2+2$$