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| 2. ŠOLSKA NALOGA | |
| Ocena | 2 | | 3 | 4 | 5 |
| Točke | 10,5 do 13,5 | | 14 do 18 | 18,5 do 20,5 | 21 do 23 |

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| TOČKE | OCENA |

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| 6 t |  |

1. Izračunaj:

a) 8x2yz . (-9xy2z2) = b) 200 a2 . (-0,2ab) . (0,1b2) =

c) -ab . (-12a2b2c4) = č) (x3y) : (1 xy2) =

d) (5ab + 6) . 3a = e) - 4x2(2x – y) =

f) (4x + 5y)(4x – 5y) = g) (0,1a – 2b)(0,1a + 2b) =

h) (4x – 1)(5x3 – 2x2 + 3) = i) (-x3y2)3 . (-3xy)2 =

j) (7a – 3b)2 = k) (-m -  n)2 =

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2. Izpostavi skupni faktor:

a) 70xy + 35 = b) 15xy2 + 17x2 =

c) 24b4 + 48b2 – 12b = č) 5x4 – 5x3 + 5x2 – 5 =

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3. Poenostavi izraze:

a) 5(3x + 7y) – (6x + 3y) . 3 = b) 9a2 – 5a + 2 – (7 – 3a + 8a2) =

c) 3(a – 6) + (a – 4)(a + 5) + 5a2 = č) x2 – 4x – 6 – (3x + 1)(2x – 5) =

d) (3a – 1)(4 – 5a) + (2a – 3)2 = e) 6b2 – 5 – (b + 8)2 =

f) (t(t – 3) – (t – 1)t +1)2 – (2t -)2 =

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4. Poenostavi in izračunaj vrednost izraza:

a) 7a – 4b – 15 ; a = 5, b = 4 b) 5a2 + 7ab – (5a2 + 6ab – b2) ; a = 3, b = -2

c) (x – 6)(3 + x) – x2 + 19 – 5x; x = -4 č) (3b + 2)2 – (4b + 1)2 ; b = 1