

$$f) (a-9)(a-10) - (4a-1)(4a+1) + (4a+3)^2 - 112$$

42) Skrči in nato rezultat razcepi:

$$a) (a-4)(a+6) + (a-5)^2 + (a-2)(a+2) - (a+9)$$

$$b) (a+6)^2 - (a+4)(a-8) - (a-3)(a+3) - 141$$

$$c) (2a-3)^2 - (2a+5)(4a-3) - (3a-2)(3a+2) - (13a+54)$$

$$d) (a-1)^2 + (a+2)^3 - (a-2)(a+3) + (a+4)(a-4) - (3a-1)$$

$$e) (a+3)(a-4) - (a-1)(a+1) + (a-2)^3 - (a-3)^2 - 7(a-4)$$

43) Poenostavi in rezultat razstavi:

$$a) (7-3a)^2 - (5a-1)(25a^2-70a+61) - (1-3(a-5)) + (5a-3)^3 - (2a+5)(2a-9) - 14(11a-8)(a-1)$$

$$b) (5a+2)^3 - (2a+7)(2a-7) - (5a+4)(25a^2-20a+16) - 14a(11a+3) - (1-3(a-4)) + (-3a+4)^2 \approx$$

$$c) (3a+1)(2a+5) - (3-(7a+3)(7a+11)) - 13(3a+1)(a+2)$$

$$d) (2a+3)(3a-2) - (4a-1)^2 - (3-(7a+4)(7a-4))$$

$$e) (2a+3)(4a-1) + (4a-11)(4a+11) - 3(-2)^3$$

44) Skrči in rezultat razstavi:

$$a) (a+1)(a-1) - (a-4)^2 + (a+35) - (6-a)(7+a)$$

$$b) (2a-5)^2 - (a-8)(a+8) - (a+3)(a-11) - (a+9)(a-11) - 197$$

$$c) (3a+1)(a-11) - (a+7)^2 - (a+11)(a-11) + 17(2a-5)$$

$$d) (2a+5)(2a-5) - (a-17)^2 - (a-6)(a-7) - (a+47)(a-10) - 90$$

$$e) (a-7)(a+2) + (a+5)^2 - (a+2)(a+10) - (4+a)(4-a)$$

$$f) (a-1)^2 - (a+3)(a-2) + (2a+1)(2a-1) - 7(2a+3)$$

$$g) (2a-5)(2a+5) - (a-7)^2 + (a+8)(a-1) - (4a-67)$$

$$h) (-3)^2 + (a+3)(a-3) + (2a-3)^2 - (a+1)(a-6)$$

45) Izračunaj in rezultat razcepi:

$$a) (2a+1)(10a+17) - 4(a+1)(a+2) - (2a+3)^2$$

$$b) (5a-8)(a-4) - (3a-5)(a-5) - (a-3)(a-1)$$

$$c) 4(5a+1)(a-1) - (-2a)^2 - (2a-3)(6a+1)$$

$$d) a(a-4) - (a-2)(4a-11) - 2(a-6)$$

$$e) (2a-1)(2a+3) - (2a+1)(8a+1) - 2(2a-3)$$

$$f) 5a(20a-3) - (5a+1)(15a-2) - 2(4-5a)$$

$$g) (10a-3)(2a-3) - 4((3a-1)(a-2) + a(a-1))$$

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

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

## RESITVE:

$$\begin{aligned} d) a^2+2a-48 &= (a-6)(a+8), e) a^2+29a-30 = (a-1)(a+30), f) a^2+4a-12 = (a-2)(a+6); \\ 42. a) 3a^2-9a+6 &= 3(a-2)(a-1), b) -a^2+16a-64 = -(a-8)^2, c) -13a^2-39a-26 = \\ &= -13(a+1)(a+2), d) a^3+7a^2+6a = a(a+1)(a+6), e) a^3-7a^2+10a = a(a-5)(a-2); \\ 43. a) a^2-5a &= a(a-5), b) a^2-3a-4 = (a-4)(a+1), c) 16a^2+24a+9 = (4a+3)^2, \\ d) 39a^2+13a-26 &= 13(a+1)(3a-2), e) 24a^2+20a-100 = 4(2a+5)(3a-5); \\ 44. a) a^2+10a-24 &= (a-2)(a+12), b) a^2-10a+24 = (a-6)(a-4), c) a^2-12a-28 = \\ &= (a-14)(a+2), d) a^2+10a+24 = (a+6)(a+4), e) 2a^2-7a+5 = (a-1)(2a-5), \\ f) 4a^2-17a-15 &= (a-5)(4a+3), g) 4a^2+17a-15 = (a+5)(4a-3), h) 4a^2-16a+15 = \\ &= (2a-5)(2a-3); 45. a) 12a^2+20a = 4a(3a+5), b) a^2-4a+4 = (a-2)^2, c) 4a^2-1 = \\ &= (2a-1)(2a+1), d) -3a^2+13a-10 = (1-a)(3a-10), e) -12a^2-10a+2 = 2(a+6)(1-6a), \\ f) 25a^2-5a-6 &= (5a-3)(5a+2), g) 4a^2-4a+1 = (2a-1)^2, h) -4a^2-14a-10 = \\ &= -2(a+1)((2a+5), i) 16a^2+4a-2 = 2(2a+1)(4a-1), j) 16a^2+68a+70 = 2(2a+5)(4a+7), \\ k) 125a^3-25a^2-30a &= 5a(5a-3)(5a+2), l) 27a^3-12a = 3a(3a-2)(3a+2), m) 8a^3- \\ &-32a^2+42a-18 = 2(a-1)(2a-3)^2, n) 36a^2-12a+1 = (6a-1)^2, o) -125a^3-25a^2+5a+1 = \\ &= (1-5a)(5a+1)^2, p) 4a^2-a-3 = (a-1)(4a+3), q) 2a^2-5a+3 = (a-1)(2a-3), \\ r) 13a+2 = 48 \end{aligned}$$