1 Zmnoži:

a) $5\,xyz \cdot 9\,x^3yz^5 = 45x^4y^2z^6$

b) $7\,x^3 \cdot (-8\,xy^5) = -56x^4y^5$

c) $-2\,a^4b^6 \cdot (-3\,ab^2c) \cdot (-3\,a^2bc^2) = -18a^7b^9c^3$

2 Izpostavi skupni faktor:

a) $9\,a^3b^4 - 15\,a^6b^3 = 3a^3b^3(3b - 5a^3)$

b) $25\,x^3y^4 - 20\,x^6y^2 + 35\,x^8y^3 = 5x^3y^2(5y^2 - 4x^3 + 7x^5y)$

c) $16\,a^4b^5 + 24\,a^7b^4 - 8\,a^3b^2 = 8a^3b^2(2ab^3 + 3a^4b^2 - 1)$

č) $7\,x^4y^8z^5 - 9\,x^5z^3 = x^4z^3(7y^8z^2 - 9x)$

d) $28\,a^6b^5 - 32\,u^7b^4 + 16\,b^3v^6 = 4b^3(7a^6b^2 - 8u^7b + 4v^6)$

3 Seštej oziroma odštej:

a) $6x - 3x + 9x - 11x - 4x = -3x$

b) $3\,a^2 - 7\,a^2 + 5\,a^2 + 4\,a^2 = 5a^2$

c) $4x^3 - 7x^2 + 8x - 4 - 7 - 4x + 3x^2 + 8x^3 = 12x^3 - 4x^2 + 4x - 11$

č) $-(9\,u^2 - 7\,u + 4) + (7\,u^2 + 15\,u - 9) = -9u^2 + 7u - 4 + 7u^2 + 15u - 9 =$
$-2u^2 + 22u - 13$

d) $4\,a^2 - 8\,a - 7 + 3\,a^3 - (9\,a^3 - 7\,a^2 + 6\,a + 7) =$
$4a^2 - 8a - 7 + 3a^3 - 9a^3 + 7a^2 - 6a - 7 =$
$-6a^3 + 11a^2 - 14a - 14$

4 Zmnoži:

a) $6\,x^3 \cdot (5\,x^2 - 4\,x + 7) = 30x^5 - 24x^4 + 42x^3$

b) $(3\,u^4 - 3\,u^3 + 2\,u) \cdot (-2\,u) = -6u^5 + 6u^4 - 4u^2$

c) $(-4\,a + 7) \cdot (-8\,a^2) = 32a^3 - 56a^2$