

а)  $86x - 43y + 2ax - ay$ ;

в)  $x^2 + xy - xz - yz$ ;

д)  $5a^2 - 5ab + 5b^2 - 5ab$ ;

ж)  $b^3 + b^2c - b^2d - bcd$ ;

б)  $10by - 25bx - 6ay + 15ax$ ;

г)  $m^4 + 2 - m - 2m^3$ ;

е)  $y - y^2 - y^3 + y^4$ ;

з)  $x^2y - z^2x + y^2x - yz^2$ .

$$x^3 - y^3 = (x - y)(x^2 + xy + y^2)$$

$$x^3 + y^3 = (x + y)(x^2 - xy + y^2)$$

$$(x + y)^2 = x^2 + 2xy + y^2$$

$$(x - y)^2 = x^2 - 2xy + y^2$$

$$x^2 - y^2 = (x - y)(x + y)$$

$$86x - 43y + 2ax - ay = 2x(a + 43) - y(43 + a) = (43 + a)(2x - y)$$

$$10by - 25bx - 6ay + 15ax = 5b(2y - 5x) - 3a(2y - 5x) = (2y - 5x)(5b - 3a)$$

$$x^2 + xy - xz - yz = x(x + y) - z(x + y) = (x + y)(x - z)$$

$$m^4 + 2 - m - 2m^3 = m(m^3 - 1) - 2(m^3 - 1) = (m^3 - 1)(m - 2) =$$

$$(m - 1)(m^2 + m + 1)(m - 2) = (m - 1)(m^2 + m + 1)(m - 2)$$