

$$8m^2 - 12mn \quad 8m^2 - 12mn \quad 4m(2m - 3n)$$

$$12m^2n + 24m^3n^2 - 36m^4n^3 + 48m^5n^4$$

$$12m^2n(1 + 2mn - 3m^2n^2 + 4m^3n^3)$$

$$a(x+1) + b(x+1) \quad ax + ab - ax^2b$$

$$2x(n-1) - 3y(n-1) \quad 2xn - 2x - 3yn + 3y$$

$$(a+3)(a+1) - 4(a+1) \quad 9a + 9 + 3a + 3 - 4a - 4$$

$$(a+b-1)(a^2+1) - a^2 - 1 \quad a^2 + a + ba^2 + b - (a^2 + 1) - a^2 - 1$$

$$(x-3)(x-4) + (x-3)(x+4) \quad x^2 - 4x - 3x + 12 + x^2 + 4x - 3x - 12$$

$$a^3(a-b+1) - b^2(a-b+1) \quad a^3 - a^3b + a^3 - b^2a + b^2b - b^2$$