А. Задания нормативного уровня.

1) **7a - 7в + an – b n**
2) **x y + 2y + 2x + 4**
3) **$y^2a - y^2b + x^2 a - x^2b$**

Б. Задания компетентного уровня

1) **x y + 2y - 2x – 4**
2) **2cx – cy – 6x + 3y**
3) **$x^2 + x y + xy^2 + y^3$**

С. Задания творческого уровня

1) **$x^4 + x^3y - xy^3 - y^4$**
2) **$xy^2 – вy^2 – ax + aв + y^2 – a$**
3) **$x^2 – 3x + 6 – 2x$**

7a-7b+an-bn = 7a+an - 7b-bn=
=a(7+n) - b(7+n) = (7+n) (a-b)

xy+2y+2x+4 = xy+2x + 2y+4 = x(y+2) + 2(y+2) = (y+2) (x+2)

y^2a-y^2b+x^2a-x^2b = y^2(a-b) + x^2(a-b) = (a-b) (y^2+x^2)

xy+2y-2x-4 = y(x+2) - 2(x+2)= (x+2) (y-2)

2cx-cy-6x+3y = c(2x-y) - 3(2x-y) = (2x-y) (c-3)

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

-2x-2=(-1)*2*x + (-1)*2*1=(-1)*2[x + 1]=-2(x+1)

-6x+3y=(-1)*6*x + 3y=(-1)*6*x
+(-1)*(-1)*3y=(-1)*3(2x+(-1)*y) = -3 (2x - y)
-6x+3y=-(6x -3y)

x^4+x^3y-xy^3-y^4 = x^3 (x+y) - y^3(x+y) = (x+y) (x^3-y^3)

xy^2-by^2-ax+ab+y^2-a = xy^2-by^2+y^2 + ab-a-ax = y^2(x-b+1)
+ a(b-x-1) = y^2(x-b+1) -a(-b+x+1) = (x-b+1) (y^2-a)

x^2-3x+6-2x = x^2-2x - 3x+6 = x(x-2) - 3(x-2) = (x-2) (x-3)