Задание 1

а) 3b2-3b = 3b\*(b-1) в)2z5g2-4z3g+6z2g3 = 2z2g\*(z3g-2z+3g2)

б) 4c2-12c5 = 4c2\*(1-3c3)

г) 7a4b3-14a3b4+21a2b5 = 7а2b3\*(a2-ab+3b2)

Задание 2

1) 3x(a+b)+y\*(a+b) = 3ax+3ab+ay+by

2)m\*(x-y)-(y-x) = xm-ym-y+x

3) 4a(x+y)-9b(y+x) = 4ax+4ay-9by-9bx

4)11p(c+8d)-9(8d+c) = 11pc+88dp-72d-9c

5)(x-y)2-a(x-y) = x2-xy+y2-ax+ay

6)8c(m+n)2+9d(m+n) = 8c\*(m2+2mn+n2) +9dm+9dn = 8cm2+16mnc+8cn2+9dm+9dn

Задание 3

1)3(a-4)-b(a-4) = 3a -12-ab+4b = 15-12-15+12= 0

2)a(a-b)+b(b-a) = a2+ab+b2-ab = 39.69+14.49+12.167-14.49= 51.857

Задание 4

1)x2-3x= 0

x^2 + 3x = 0 x(x + 3) = 0 x = 0 или x + 3 = 0 x (первый) = 0 x (второй) = 0 - 3 = -3

ОТВЕТ x= -3

2) 4g2+3g=0

4g= -3

g = - (3/4)

Задание 5

# 1) 0,756² - 0,241∙0,756 – 0,415∙0,756 = 0,756 (0,756 - 0,241 - 0,415) = 0,756 × 0,1 = 0,0756

# 2) 2,49∙1,63 -2,12∙1,63 +1,63² = 1,63 (2,49 - 2,12 + 1,63) = 1,63 × 2 = 3,26