

## ФСУ. Тренажер.

### Часть I. Представьте в виде многочлена:

1.	$(a-3)^2, (a-2)^2, (a-5)^2, (a-11)^2, (a-7)^2, (a-9)^2, (a-12)^2, (a-13)^2, (a-14)^2, (a-15)^2, (a-16)^2, (a-20)^2, (2-x)^2, (3-x)^2, (4-x)^2, (5-x)^2, (6-x)^2, (7-x)^2, (8-x)^2, (9-x)^2, (10-x)^2, (11-x)^2, (12-x)^2, (13-x)^2, (14-x)^2, (15-x)^2, (16-x)^2; (17-x)^2, (20-x)^2, (25-x)^2, (30-x)^2, (50-x)^2;$	
2.	$(a+3)^2, (a+2)^2, (a+5)^2, (a+11)^2, (a+7)^2, (a+9)^2, (a+12)^2, (a+13)^2, (a+14)^2, (a+15)^2, (a+16)^2, (a+20)^2, (2+x)^2, (3+x)^2, (4+x)^2, (5+x)^2, (6+x)^2, (7+x)^2, (8+x)^2, (9+x)^2, (10+x)^2, (11+x)^2, (12+x)^2, (13+x)^2, (14+x)^2, (15+x)^2, (16+x)^2, (17+x)^2, (20+x)^2, (25+x)^2, (30+x)^2, (50+x)^2;$	
3.	$(a-x)^2, (a-y)^2, (a+b)^2, (a-c)^2, (a+r)^2, (a-s)^2, (a-k)^2, (a+t)^2, (a-d)^2, (a+z)^2, (a-q)^2, (a-m)^2, (n-x)^2, (q+x)^2, (r-x)^2, (t+x)^2, (y+x)^2, (p-x)^2, (s-x)^2, (a-x)^2, (h+x)^2, (v-x)^2, (f+x)^2, (d-x)^2, (l-x)^2, (z+x)^2, (d-x)^2; (u-x)^2, (w+x)^2, (h-x)^2, (s+x)^2, (g-x)^2;$	
4.	$(a-2x)^2, (3a-y)^2, (a+3b)^2, (2a-c)^2, (4a+r)^2, (a-4s)^2, (5a-k)^2, (a+5t)^2, (6a-d)^2, (a+6z)^2, (7a-q)^2, (a-7m)^2, (8n-x)^2, (q+8x)^2, (9r-x)^2, (t+9x)^2, (10y+x)^2, (p-10x)^2, (11s-x)^2, (a-11x)^2, (12h+x)^2, (v-12x)^2, (13f+x)^2, (d-13x)^2, (14κ-x)^2, (z+14x)^2, (15d-x)^2; (u-15x)^2, (16w+x)^2, (h-16x)^2, (17s+x)^2, (g-17x)^2;$	
5.	$(a^2-1)^2, (a^2-y)^2, (a^2+b)^2, (a-c^2)^2, (a^2+r)^2, (a-s^2)^2, (3-k^2)^2, (a^2+5)^2, (a^2-6)^2, (a^2+z)^2, (a^2-q^2)^2, (a^2-m^2)^2, (n^2-x^2)^2, (q^2+x^2)^2, (r^2-x^2)^2, (t^3+x)^2, (y^3+x)^2, (p^3-x)^2, (s^3-x)^2, (ax^3)^2, (h+x^3)^2, (vx^3)^2, (f^3+x^3)^2, (d^3-x^3)^2, (l^3-x^3)^2, (z^3+x^3)^2, (d^3-x^3)^2; (u^3-x^2)^2, (w^2+x^3)^2, (h^2-x^3)^2, (s^3+x^2)^2, (g^3-x^2)^2;$	
6.	$(a-b)(a+b), (a+x)(a-x), (a-d)(a+d), (a+y)(a-y), (a-f)(a+f), (c-x)(c+x), (x+b)(x-b), (k-x)(k+x), (2-b)(2+b), (a+3)(a-3), (5-b)(5+b), (a-6)(a+6), (7-b)(7+b), (a-8)(a+8), (9+b)(9-b), (11-x)(11+x), (a-12)(a+12), (13-x)(13+x), (a-14)(a+14), (15+x)(15-x);$	
7.	$(a-b)(a+b), (a-x)(x+a), (a-b)(a+b), (a+x)(x-a), (a-d)(a+d), (a+y)(y-a), (a-f)(a+f), (c-x)(x+c), (x+b)(x-b), (k-x)(k+x), (2-b)(2-b), (a+3)(a-3), (5-b)(5+b), (a-6)(a-6), (7-b)(7+b), (a-8)(a+8), (9+b)(9+b), (11-x)(11+x), (a-12)(a+12), (13+x)(13+x), (a-14)(a+14), (15+x)(x+15);$	
8.	$(2a-b)(2a+b), (a+7x)(a-7x), (12a-d)(12a+d), (a+13y)(a-13y), (15a-f)(15a+f), (c-16x)(c+16x), (17x+b)(17x-b), (k-x^2)(k+x^2), (2-b^2)(2+b^2), (a^2+3)(a^2-3), (5-b^3)(5+b^3), (a^3-6)(a^3+6), (7-b^3)(7+b^3), (a^3-8)(a^3+8), (9+b^2)(9-b^2), (11-x)(11+x), (a^2-12)(a^2+12), (13-x^3)(13+x^3), (a^2-14)(a^2+14), (15+x^3)(15-x^3);$	

9.	$(5a-3b)(5a+3b), (7a+12x)(7a-12x), (13a-4d)(13a+4d), (25a+8y)(25a-8y),$ $(-a+f)(a+f), (-c+x)(c+x), (x+b)(-x+b), (-k+x)(k+x), (-2+b)(2+b),$ $(a+3)(-a+3), (-5+b)(5+b), (-a+6)(a+6), (7-b)(7-b), (a+8)(a+8),$ $(9+b)(9+b), (11-x)(11-x), (-a+12)(-a+12), (13-x)(13-x),$ $(a-14)(14+a), (x+15)(15-x);$	
10.	$(-a-x)^2, (-a-y)^2, (-a+b)^2, (-a-c)^2, (-a+r)^2, (-a-s)^2, (-a-k)^2, (-a+t)^2,$ $(-a-d)^2, (-a+z)^2, (-a-q)^2, (-a-m)^2, (-n-x)^2, (-q+x)^2, (-r-x)^2, (-t+x)^2,$ $(-y+x)^2, (-p-x)^2, (-s-x)^2, (-a-x)^2, (-h+x)^2, (-v-x)^2, (-f+x)^2, (-d-x)^2,$ $(-l-x)^2, (-z+x)^2, (-d-x)^2; (-u-x)^2, (-w+x)^2, (-h-x)^2, (-s+x)^2, (-g-x)^2;$	
11.	$(a-b)(a^2+ab+b^2), (y+x)(y^2-yx+x^2), (a-1)(a^2+a+1), (y+1)(y^2-y+1),$ $(2-b)(4+2b+b^2), (y+2)(y^2-2y+4), (a-3)(a^2+3b+9), (4+x)(16-4x+x^2),$ $(a-5)(a^2+5b+25), (y+2x)(y^2-2yx+4x^2), (5a-b)(25a^2+5ab+b^2),$ $(y+7x)(y^2-7yx+49x^2), (11a-b)(121a^2+11ab+b^2), (y+15x)(y^2-15yx+225x^2),$ $(2a-3b)(4a^2+6ab^2+9b), (3y+2x)(9y^2-6yx+4x^2), (3a-5b)(9a^2+15ab+25b^2),$ $(7y+2x)(49y^2-14yx+4x^2), (8a-9b)(64a^2+72ab+81b^2),$ $(13y+x)(169y^2-13yx+x^2);$	
12.	$(a-b)^3, (y+x)^3, (a-z)^3, (y+c)^3, (a-d)^3, (b+x)^3, (a-n)^3, (m+x)^3, (a-e)^3,$ $(y+q)^3, (a-f)^3, (h+x)^3, (k-b)^3, (v+x)^3, (a-1)^3, (1+x)^3, (2-b)^3,$ $(y+2)^3, (2-b)^3, (y+1)^3, (a-2)^3, (1+x)^3, (a-3)^3, (3+x)^3, (a-0,2)^3,$ $(0,1+x)^3, (0,3-b)^3, (y+0,3)^3, (a-0,4)^3, (0,4+x)^3, (a-0,5)^3, (0,5+x)^3;$	
13.	$(a-15)^2, (a-16)^2, (a-20)^2, (2-x)^2, (3-x)^2, (4-x)^2, (6a-d)^2, (a+6z)^2,$ $(7a-q)^2, (a-7m)^2, (8n-x)^2, (c-16x)(c+16x), (17x+b)(17x-b), (k-x^2)(k+x^2),$ $(2-b^2)(2+b^2), (-a+z)^2, (-a-q)^2, (-a-m)^2, (-n-x)^2, (-q+x)^2, (-r-x)^2,$ $(2-b)(4+2b+b^2), (y+2)(y^2-2y+4), (a-3)(a^2+3b+9), (4+x)(16-4x+x^2),$ $(a+3)(-a+3), (-5+b)(5+b), (-a+6)(a+6), (7-b)(7-b), (a-e)^3, (y+q)^3,$ $(a-f)^3, (h+x)^3, (-2+b)^3, (-y+2)^3, (2-b)^3, (y+1)^3.$	