

	<i>КР №1 В каждом номере первый пример – 1 балл второй пример – 2 балла</i>	
	Задание 5	
1	$5^{x^2-5x-6} = 1$	6 и -1
	$3^x + 3^{x-3} = 28$	3
2	$\left(\frac{1}{36}\right)^{1,25x-2} = 6$	1,2
	$\begin{cases} x-y=4 \\ 5^{x+y}=25 \end{cases}$	(3;-1)
3	$\left(\frac{1}{5}\right)^{8-11x} = 125$	1
	$9^x - 7 \cdot 3^x - 18 = 0$	2(t1,2: -2 и 9)
4	$\left(\frac{1}{4}\right)^{-x+3} = 32$	5,5
	$4^x + 2^{x+1} - 8 = 0$	1(t1,2: -4 и 2)
5	$\left(\frac{1}{2}\right)^{0,2x-3} = 16$	-5
	$\begin{cases} x+y=10 \\ 3^{x-y} = \frac{1}{81} \end{cases}$	(3;7)
6	$\left(\frac{1}{11}\right)^{4x+7} = 11^{x+3}$	-2
	$5^{x+2} + 5^x = 26$	0
7	$\left(\frac{1}{125}\right)^{\frac{1}{6}x+10} = 25$	-64
	$\begin{cases} x-y=1 \\ 4^{2x-3y}=1 \end{cases}$	(3;2)
8	$2^{x-4} = \sqrt[5]{2}$	4,2
	$\begin{cases} 4x-3y=-1 \\ 2^{x-5y}=16 \end{cases}$	(-1;-1)
9	$\left(\frac{1}{25}\right)^{x-5} = 5^{-3x}$	-10
	$\begin{cases} x-2y=1 \\ 3^{x-3y}=27 \end{cases}$	(-3;-2)
10	$\left(\frac{1}{2}\right)^{5x-2} = 64$	-0,8
	$\begin{cases} x+y=-2 \\ 6^{x+5y}=36 \end{cases}$	(-3;1)

11	$\left(\frac{1}{5}\right)^{2-5x} = 125$	1
	$\begin{cases} x - y = -3 \\ 5^{3x-y} = \frac{1}{125} \end{cases}$	(-3;-6)
12	$\left(\frac{1}{6}\right)^{1,4x+5} = 36$	-5
	$4^x + 2^x - 20 = 0$	2(t1,2: -5 и 4)
13	$\left(\frac{1}{5}\right)^{2-4x} = 25$	1
	$\begin{cases} x + y = -2 \\ 6^{x+5y} = 36 \end{cases}$	(-3;1)
14	$27^{-x+1} = \frac{1}{3}$	4/3
	$5^{2x-1} - 5^{2x-3} = 4,8$	1
15	$\left(\frac{1}{6}\right)^{4x-7} = 6^{x-3}$	2
	$2\left(\frac{1}{7}\right)^{3x+7} - 7\left(\frac{1}{7}\right)^{3x+8} = 49$	-3
16	$0,1^{2x-3} = 10$	1
	$4^x - 10 \cdot 2^{x-1} = 24$	3
17	$\left(\frac{1}{49}\right)^{x-5} = 7^{3x}$	2
	$5^{2x} - 4 \cdot 5^x - 5 = 0$	1(t1,2: -1 и 25)
18	$\left(\frac{1}{2}\right)^{5x-2} = 8$	-0,2
	$4^{x-1} + 11 \cdot 4^{x-2} = \frac{15}{16}$	0
19	$\left(\frac{1}{2}\right)^{0,2x-1,2} = 16$	-14
	$9^x - 10 \cdot 3^x + 9 = 0$	0 и 2
20	$\left(\frac{1}{11}\right)^{x^2-3x} = 121$	1 и 2
	$4^{x-3} + 4^x = 65$	3
21	$\left(\frac{1}{9}\right)^{4x-1} = 3$	1/8
	$4^x - 2^{x+1} = 48$	3(t1,2: -6 и 8)

22	$\left(\frac{1}{27}\right)^{0,5x-1} = 9$	2/3
	$\left(\frac{1}{3}\right)^{5x-1} + \left(\frac{1}{3}\right)^{5x} = \frac{4}{9}$	0,4
23	$\left(\frac{1}{9}\right)^{x-7,2} = 81$	5,2
	$\begin{cases} x+y = -6 \\ 4^{x-2y} = 64 \end{cases}$	(-3;-3)
24	$\left(\frac{1}{125}\right)^{\frac{1}{3}x+1} = 25$	-5
	$5^{2x} + 4 \cdot 5^x = 5$	0(t1,2: -5 и 1)
25	$\left(\frac{1}{9}\right)^{4x-1} = 27$	-1/8
	$4^{x+1} + 8 \cdot 4^x = 3$	-1
26	$3^{x-4} = \sqrt[5]{3}$	4,2
	$3^x - 3^{x+3} = -78$	1
27	$\left(\frac{1}{5}\right)^{x^2+3x} = 25$	2 и -1
	$\begin{cases} x-y = 3 \\ 7^{x-3y} = 49 \end{cases}$	(3,5; 0,5)
28	$\left(\frac{1}{6}\right)^{2x-3} = 36$	0,5
	$3^{x-2} - 3^{x-3} = 6$	4
29	$3^{2x+5} = \frac{1}{9}$	-3,5
	$2^{2x} - 6 \cdot 2^x + 8 = 0$	1; 2
30	$\left(\frac{1}{5}\right)^{2-4x} = 625$	3/2
	$4^x - 12 \cdot 2^x + 32 = 0$	2 и 3