

Рознаўроўневая самастойная работа

1варыянт	2 варыянт
3 узровень	
$3^x = 27$ $\left(\frac{2}{3}\right)^x = 1$ $5^{x-2} = 25$ $10^{x^2} = 10$ $\left(\frac{1}{4}\right)^{12-3x} = 64$	$5^x = 125$ $\left(\frac{1}{3}\right)^x = 1$ $3^{6+x} = 3$ $4^{x^2} = 4$ $\left(\frac{1}{7}\right)^{18-5x} = 49$
4 узровень	
$10^{x^2-x-2} = 1$ $6^{x-2} - 6^{x-1} = -180$ $3^{2x} - 2 \cdot 3^x - 3 = 0$ $2^{x-2} = 3^{x-2}$	$6^{x^2-5x+6} = 1$ $7^{x+1} - 3 \cdot 7^x = 28$ $2 \cdot 5^{2x} - 5^x - 1 = 0$ $2^{x-3} = 5^{x-3}$
5 узровень	
$\sqrt{7^{x+1}} = \frac{49}{\sqrt{7}}$ $2^{2x} + 14 \cdot 2^{x+1} - 29 = 0$ $2 \cdot 2^{2x} + 3 \cdot 10^x - 5 \cdot 5^{2x} = 0$	$\sqrt{2^{x+2}} = \frac{4}{\sqrt{2}}$ $3 \cdot 9^x + 26 \cdot 3^x - 9 = 0$ $3 \cdot 3^{2x} - 7 \cdot 12^x + 4 \cdot 4^{2x} = 0$

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$$2 * 2^{2x} + 3 * 10^x - 5 * 5^{2x} = 0$$

$$3 * 3^{2x} - 7 * 12^x + 4 * 4^{2x} = 0$$