Решить неравенства:

1. $8^{x+2}<\frac{3^{-x}}{9}$
2. $\left(2-\sqrt{3}\right)^{x^2-x}>7-4\sqrt{3}$
3. $4^x-4\cdot 2^x+3+\frac{1}{4^x-4\cdot 2^x+5}>0$
4. $125^x-25^x+\frac{4\cdot 25^x-20}{5^x-5}\le 4$
5. $7^{2\cdot 49^x-3\cdot 7^x+\log_7 14}>2$
6. $2^{\frac{x}{x+1}}-2^{\frac{5x+3}{x+1}}+8\le 2^{\frac{2x}{x+1}}$
7. $\frac{3^{x+11}}{3\cdot 2^x-2\cdot 3^x}\ge\frac{3^{x+10}}{2^x-3^x}$
8. $\sqrt{4^x}\ge\sin 855^o$
9. $12^x+6^{x+1}+144\ge 16\cdot 3^x+9\cdot 4^x+27\cdot 2^{x+1}$
10. $\frac{\left(3^x+1\right)\cdot\left(5^x-1\right)}{\left(2019^x+\pi\right)\left(22^x-4\right)}\ge 0$
11. $125^x+7\cdot 25^x+12\cdot 5^x+\log_5 15625\le 25^x+5^x$
12. $5^x-5\ge 7^x-7$
13. $9^{1,5x}-3^{2x+1}+2\cdot 3^x\le e\cdot 3^{x+1}-e\cdot 9^x-2e$
14. $7^{x-5}>3^{x^2+x-30}$
15. $2^{\left(3^{2x}+2^x\cdot 3^x+1\right)}>3^{\left(4^x-2^x\cdot 3^{x+1}+\log_3 2\right)}$

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