

## Показательные уравнения на ЕГЭ

1.  $2^{4-2x} = 64.$

2.  $5^{x-7} = \frac{1}{125}.$

3.  $\left(\frac{1}{3}\right)^{x-8} = \frac{1}{9}.$

4.  $\left(\frac{1}{2}\right)^{6-2x} = 4.$

5.  $16^{x-9} = \frac{1}{2}.$

6.  $\left(\frac{1}{9}\right)^{x-13} = 3.$

7.  $9^{-5+x} = 729.$

8.  $\left(\frac{1}{8}\right)^{-3+x} = 512.$

9.  $\left(\frac{1}{2}\right)^{x-8} = 2^x.$

10.  $8^{9-x} = 64^x.$

11.  $2^{3+x} = 0,4 \cdot 5^{3+x}.$

12.  $7^{18,5x+0,7} = \frac{1}{343}.$

13.  $\left(\frac{1}{2}\right)^{10-3x} = 32.$

14.  $\left(\frac{1}{6}\right)^{6-2x} = 36.$

15.  $\left(\frac{1}{25}\right)^{x+2} = 5^{x+5}.$

16.  $16^{x-9} = 0,5.$

17.  $6^{12,5x+2} = \frac{1}{216}.$

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