

Простейшие показательные уравнения

$8^{-9+x} = 8$	$10^{6+x} = 10$	$5^{-7-x} = 5$	$15^{1-x} = 15$
$3^{-1-x} = 3$	$12^{7+x} = 12$	$6^{-2+x} = 6$	$2^{5-x} = 2$
$\left(\frac{1}{7}\right)^{x-5} = \frac{1}{7}$	$4^{x+5} = 4$	$8^{1+x} = 8$	$25^{3-x} = 25$
$9^{5+x} = 9$	$16^{-4-x} = 16$	$4^{18+x} = 4$	$\left(\frac{2}{3}\right)^{4x+36} = \frac{2}{3}$
$7^{6+x} = 7$	$\left(\frac{1}{22}\right)^{x-15} = \frac{1}{22}$	$5^{4x-27} = 5$	$2^{3x+2} = 2$
$11^{11-5x} = 11$	$5^{11-x} = 5$	$3^{-4+x} = 3$	$10^{13-x} = 10$
$\left(\frac{1}{9}\right)^{1+x} = \frac{1}{9}$	$\left(\frac{1}{3}\right)^{4x-7} = \frac{1}{3}$	$8^{2x+3} = 8$	$14^{5x-14} = 14$
$2^{2x-9} = 2$	$6^{-3+x} = 6$	$17^{24-x} = 17$	$4^{2x-17} = 4$
$0,7^{3-5x} = 1$	$13^{4x+1} = 1$	$8^{-7-x} = 1$	$6^{8-x} = 1$
$2^{4x-7} = 1$	$5^{4-x} = 1$	$3^{-4+x} = 1$	$24^{x+1} = 1$
$\left(\frac{2}{3}\right)^{4x+1} = 1$	$16^{x-11} = 1$	$23^{24-x} = 1$	$6^{2x-8} = 1$
$16^{-4-x} = 1$	$\left(\frac{1}{12}\right)^{x+17} = 1$	$5^{4x-28} = 1$	$2^{9-3x} = 1$
$7^{1-5x} = 1$	$32^{4x-7} = 1$	$\left(\frac{1}{7}\right)^{8-5x} = 1$	$24^{-x-2} = 1$
$4^{2x-17} = 1$	$\left(\frac{1}{7}\right)^{x-5} = 1$	$6^{5x-14} = 1$	$7^{3x-1} = 1$
$6^{2x-8} = 1$	$15^{5x+4} = 1$	$3^{12-3x} = 1$	$\left(\frac{1}{2}\right)^{3x+6} = 1$
$7^{4x+7} = 1$	$\left(\frac{1}{16}\right)^{x-11} = 1$	$11^{8-5x} = 1$	$9^{3x-6} = 1$
$5^{7-2x} = 25$	$2^{1-4x} = 32$	$2^{1-2x} = 8$	$\left(\frac{1}{2}\right)^{3x-12} = \frac{1}{8}$
$2^{4x-5} = 128$	$2^{1-5x} = 64$	$3^{2+x} = 81$	$5^{4-x} = 125$
$2^{4x-7} = 64$	$1,2^{3-5x} = 1\frac{1}{5}$	$\left(\frac{1}{7}\right)^{x-5} = \frac{1}{49}$	$3^{-4+x} = 81$
$6^{5-x} = 36$	$7^{6+x} = 49$	$6^{1+x} = 216$	$4^{8-x} = 16$

$4^{5-x} = 64$	$13^{4-x} = 169$	$6^{-3+x} = 216$	$25^{-4+x} = 625$
$10^{-9+x} = 100$	$7^{3-x} = 343$	$24^{x+1} = 576$	$2^{-8+x} = 8$
$2^{4+x} = 8$	$9^{9+x} = 729$	$243^{24-x} = 27$	$4^{18+x} = 8$
$2^{15-x} = 128$	$5^{11-x} = 125$	$16^{-4-x} = 64$	$9^{x-5} = 27$
$3^{x+71} = \frac{1}{81}$	$\left(\frac{1}{3}\right)^{4x-9} = 27$	$3^{5x-12} = \frac{1}{9}$	$4^{2x-17} = \frac{1}{64}$
$\left(\frac{1}{2}\right)^{x-13} = 128$	$\left(\frac{1}{4}\right)^{12-3x} = 64$	$\left(\frac{1}{7}\right)^{8-5x} = 49$	$\left(\frac{2}{3}\right)^{4x+1} = 2\frac{1}{4}$
$13^{x-7} = \frac{1}{169}$	$8^{2x+3} = \frac{1}{64}$	$2^{4x-28} = \frac{1}{16}$	$\left(\frac{1}{2}\right)^{3x+6} = 8$
$25^{x-11} = \frac{1}{5}$	$\left(\frac{1}{16}\right)^{x-2} = 216$	$\left(\frac{1}{3}\right)^{2x-17} = 27$	$4^{x-1} = \frac{1}{2}$
$49^{x-7} = \frac{1}{7}$	$\left(\frac{1}{9}\right)^{x-9} = 3$	$\left(\frac{1}{16}\right)^{x-11} = 2$	$\left(\frac{1}{243}\right)^{4x-7} = 3$
$\left(\frac{1}{5}\right)^{-4-x} = 5$	$\left(\frac{1}{3}\right)^{x-5} = 27$	$\left(\frac{1}{2}\right)^{x-2} = 8$	$\left(\frac{1}{7}\right)^{3-x} = 49$
$\left(\frac{1}{4}\right)^{4-x} = 16$	$\left(\frac{1}{2}\right)^{-1+x} = 2$	$\left(\frac{1}{23}\right)^{-3-x} = 529$	$\left(\frac{1}{4}\right)^{-x-2} = 64$
$\left(\frac{1}{5}\right)^{1-x} = 125$	$\left(\frac{1}{8}\right)^{2+x} = 64$	$\left(\frac{1}{3}\right)^{x+1} = 27$	$\left(\frac{1}{6}\right)^{5-x} = 216$
$\left(\frac{1}{11}\right)^{x-3} = 11$	$\left(\frac{1}{25}\right)^{5-x} = 25$	$\left(\frac{1}{2}\right)^{3-x} = 8$	$\left(\frac{1}{9}\right)^{1+x} = 729$
$\left(\frac{1}{3}\right)^{x-6} = 81^x$	$\left(\frac{1}{19}\right)^{x-1} = 19^x$	$\left(\frac{1}{46}\right)^{x-8} = 46^x$	$\left(\frac{1}{14}\right)^{x-14} = 196^x$
$\left(\frac{1}{17}\right)^{x+5} = 289^x$	$\left(\frac{1}{2}\right)^{-4-x} = 128^x$	$\left(\frac{1}{27}\right)^{3-x} = 729^x$	$\left(\frac{1}{6}\right)^{x-6} = 216^x$
$\left(\frac{1}{7}\right)^{x-13} = 343^x$	$\left(\frac{1}{9}\right)^{-2-x} = 81^x$	$\left(\frac{1}{343}\right)^{x+6} = 343^x$	$\left(\frac{1}{22}\right)^{x-15} = 484^x$
$\left(\frac{1}{8}\right)^{x+9} = 512^x$	$\left(\frac{1}{14}\right)^{x-1} = 14^x$	$\left(\frac{1}{5}\right)^{x-2} = 125^x$	$\left(\frac{1}{7}\right)^{x+4} = 343^x$
$\left(\frac{1}{4}\right)^{x-2} = 64^x$	$\left(\frac{1}{8}\right)^{x+6} = 8^x$	$\left(\frac{1}{12}\right)^{x+17} = 144^x$	$\left(\frac{1}{25}\right)^{x-1} = 625^x$
$\left(\frac{1}{10}\right)^{x+4} = 10^x$	$\left(\frac{1}{15}\right)^{-15+x} = 15^x$	$\left(\frac{1}{21}\right)^{x-9} = 441^x$	$\left(\frac{1}{19}\right)^{x+3} = 361^x$
$\left(\frac{1}{7}\right)^{x+5} = 7^x$	$\left(\frac{1}{3}\right)^{x-6} = 3^{3x}$	$\left(\frac{1}{2}\right)^{x-3} = 2^x$	$\left(\frac{1}{3}\right)^{x-5} = 3^x$
$6^{x-4} = 216^x$	$\left(\frac{1}{5}\right)^{x-3} = 125^x$	$32^{5x-11} = 0,5^x$	$\left(\frac{1}{3}\right)^{7-2x} = 81^x$