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 |
|  1Найдите корень уравнения {{\log }_{2}}(4-x)~=~7.  |
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 |
|  2Найдите корень уравнения {{\log }_{5}}(5-x)~=~{{\log }_{5}}3.  |
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 |
|  3Найдите корень уравнения {{5}^{x-7}}~=~\frac{1}{125}.  |
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|  4Найдите корень уравнения {{\left(\frac{1}{3}\right)}^{x-8}}~=~\frac{1}{9}.  |
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| 5Найдите корень уравнения \sqrt{15-2x}~=~3.  |
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| 6Найдите корень уравнения {{\log }_{5}}(5-x)~=~2{{\log }_{5}}3.  |
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| 7Найдите корень уравнения \sqrt{\frac{6}{4x-54}}~=~\frac{1}{7}.  |

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| 8Найдите корень уравнения \sqrt{-72-17x}=-x.Если уравнение имеет более одного корня, укажите меньший из них.  |
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| 9Найдите корень уравнения \cos\frac{\pi(x-7)}{3}=\frac12.В ответе запишите наибольший отрицательный корень. |

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| 10Найдите корень уравнения \sqrt[3]{{x - 4}} = 3.  |
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| 11Найдите корень уравнения \frac{9}{x^2-16}=1. Если уравнение имеет более одного корня, в ответе запишите больший из корней. |

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| 12Найдите корень уравнения \frac{1}{3}x^2=16\frac{1}{3}. Если уравнение имеет более одного корня, в ответе запишите меньший из корней. |
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| 13Найдите корень уравнения \frac{x+8}{5x+7}=\frac{x+8}{7x+5}. Если уравнение имеет более одного корня, в ответе запишите больший из корней. |

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| 14Найдите корень уравнения \tg \frac{\pi x}{4}=-1. В ответе напишите наибольший отрицательный корень. |

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| 15Найдите корень уравнения (x-1)^3=-8. |

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|  16Найдите корень уравнения \log_{8} 2 ^ {8x-4} = 4. |
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|  17Найдите корень уравнения 3 ^ { \log_{9} (5x-5)} = 5. |