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| 1Найдите корень уравнения {{\log }_{2}}(4-x)~=~7. | | | | | | | |
| |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | | | | |
| 2Найдите корень уравнения {{\log }_{5}}(5-x)~=~{{\log }_{5}}3. | | | | | | | |
| |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | | | | |
| 3Найдите корень уравнения {{5}^{x-7}}~=~\frac{1}{125}. | | | | | | | |
| |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | | | | |
| 4Найдите корень уравнения {{\left(\frac{1}{3}\right)}^{x-8}}~=~\frac{1}{9}. | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | |  |  |  | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 5Найдите корень уравнения \sqrt{15-2x}~=~3. | | | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 6Найдите корень уравнения {{\log }_{5}}(5-x)~=~2{{\log }_{5}}3. | | | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 7Найдите корень уравнения \sqrt{\frac{6}{4x-54}}~=~\frac{1}{7}. | | | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | |
| http://mathege.ru/ROOT/images/spacer.gif | | | | | | |
| |  | | --- | |  | |  | | | | | | | | http://mathege.ru/ROOT/images/spacer.gif |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 8Найдите корень уравнения \sqrt{-72-17x}=-x.  Если уравнение имеет более одного корня, укажите меньший из них. | | | |  |  |  | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 9Найдите корень уравнения \cos\frac{\pi(x-7)}{3}=\frac12.  В ответе запишите наибольший отрицательный корень. | | | | | http://mathege.ru/ROOT/images/spacer.gif | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | | http://mathege.ru/ROOT/images/spacer.gif |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | |  |  |  | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 10Найдите корень уравнения \sqrt[3]{{x - 4}} = 3. | | | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 11Найдите корень уравнения \frac{9}{x^2-16}=1. Если уравнение имеет более одного корня, в ответе запишите больший из корней. | | | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | |
| http://mathege.ru/ROOT/images/spacer.gif | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | |  |  |  | |  | | | |  | | | | 12Найдите корень уравнения \frac{1}{3}x^2=16\frac{1}{3}. Если уравнение имеет более одного корня, в ответе запишите меньший из корней. | | | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | 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. | | | | | http://mathege.ru/ROOT/images/spacer.gif | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | | http://mathege.ru/ROOT/images/spacer.gif |
| |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | 14Найдите корень уравнения \tg \frac{\pi x}{4}=-1. В ответе напишите наибольший отрицательный корень. | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | |
| http://mathege.ru/ROOT/images/spacer.gif | | | | | | |
| |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | |  | | http://mathege.ru/ROOT/images/spacer.gif | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | | http://mathege.ru/ROOT/images/spacer.gif |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | |  | | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | 15Найдите корень уравнения (x-1)^3=-8. | | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | |
| http://mathege.ru/ROOT/images/spacer.gif | | | | | | |
| |  |  |  | | --- | --- | --- | | |  | | --- | |  | | http://mathege.ru/ROOT/images/spacer.gif | | | | | | | |
| http://mathege.ru/ROOT/images/spacer.gif | | | | | | |
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|  | | | | | | |
| 16Найдите корень уравнения \log_{8} 2 ^ {8x-4} = 4. | | | | | | |
|  | | |  |  |
| |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | | | | | |
| 17Найдите корень уравнения 3 ^ { \log_{9} (5x-5)} = 5. | | | | |