

Download Solving Logarithmic Equations With Different Bases

Sometimes, however, you may need to solve logarithms with different bases. This is where the change of base formula comes in handy: $\log_b x = \frac{\log_a x}{\log_a b}$. This formula allows you to take advantage of the essential properties of logarithms by recasting any problem in a form that is more easily solved. I work through an example of solving an equation with multiple logarithms that have different bases. The rest of my free math lessons about logs can be found here. [Logarithmic Exponential Equations](#) [Logarithmic Equations - Other Bases](#) [Quadratic Logarithmic Equations](#) [Sets of Logarithmic Equations](#) [Trigonometry Expressions](#) [Sú?tové a rozdielové vzorce](#) [Dvojnásobný a polovi?ný argument](#) [Goniometric Equations](#), [Solving Logarithmic Equations With Different Bases](#).

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