

Algebra / Converting between logarithmic and exponential equations

TimelyMathTutor Video:

ALEKS | Converting between logarithmic and exponential equ...



Watch on YouTube

Worked Examples:

Converting between logarithmic and exponential equations

Rewrite each equation as requested.

(a) Rewrite as an exponential equation.

$$\log_8 \frac{1}{8} = -1$$

(b) Rewrite as a logarithmic equation.

$$3^4 = 81$$

$4^x = 16$
 $\log_4 16 = x$

$\log_b y = x$
 $b^x = y$

$\log_7 49 = 2$
 $7^2 = 49$

$\log_8 \frac{1}{8} = -1$
 $8^{-1} = \frac{1}{8}$

$3^4 = 81$
 $\log_3 81 = 4$

Note: The Solve feature is not available to students.

Explanation Try Another Check Solve

© 2024 McGraw Hill LLC. All Rights Reserved. Terms of Use Privacy Center

#ExponentialAndLogarithmicFunctions

Tags Archive RSS feed Youtube QR Code email akennon@fscj.edu with any issues on this website

Made with [Montaigne](#) and [bigmission](#)