

Exponential and Logarithmic Functions Part 1

5 LOGARITHM LAWS

- a. Evaluate "n" such that

$$x = \frac{e^n - e^{-n}}{e^n + e^{-n}}$$

- b. Simplify

$$\log[1 - (1 - (1 - x^2)^{-1})^{-1}]^{-\frac{1}{2}}$$

- c. Find the value of "x". If $\log_2[\log_3(\log_2 x)] = 1$

d. If $\log\left(\frac{a+b}{4}\right) = \frac{1}{2}(\log a + \log b)$

e. If $\log_4(x^2 + x) - \log_4(x + 1) = 2$



Make sure that you ask for help if you don't understand completely! :)