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**George A. Petrides**

# Field Guide To Eastern Trees

**RJ Shavelson**



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this fact along with the rules of logarithms to solve logarithmic equations where the argument is an algebraic expression for  
example consider the equation  $\log_2 2 \log_2 3x = 5$

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web if our equation has two logarithms we can use a property that says that if  $\log_a m = \log_a n$  then it is true that  $m = n$  this is the one to one property of logarithmic equations one to one property of logarithmic equations for  $m > 0$ ,  $n > 0$ ,  $a > 0$  and  $a \neq 1$  is any real number if  $\log_a m = \log_a n$

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web voiceover let's get some practice solving some exponential equations and we have one right over here we have  $26$  to the  $9x$  plus five power equals one so pause the video and see if you can tell me what  $x$  is going to be well the key here is to realize that  $26$  to the zeroth power to the zeroth power is equal to one

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