Common logarithm:	$\log x$ means $\log_{10} x$
Natural logarithm:	In x means log _e x
Exponential Form:	b ^x = a
Logarithmic Form:	log _b a = x
Product Property:	$\log_{b} uv = \log_{b} u + \log_{b} v$
Quotient Property:	$\log_{b} (u / v) = \log_{b} u - \log_{b} v$
Power Property:	$\log_{b} m^{n} = n \log_{b} m$
Inverse Properties:	1. Log _b b ^x = x
	2. $b \log_{b} x = x$
One to One Properties:	1. If $\log_{b} a = \log_{b} x$, then $a = x$

2. If $b^{a} = b^{x}$, then a = x

Graphing: exponential curves graphing form is y = a (b) ^{x-h} + k where y=k is the horiz. asymptote logarithmic curves graphing form is $y = a \log_{b} (x-h) + k$ where x=h is the vert. asymptote