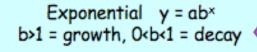


MENU

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sample



Logarithms Log_bN = P B = base, N = #, P = power

Common Log = base 10; log Natural Log = base e; In

RESSIONS

ATIONS

Exponential $y = ab^x$ Take log of both sides.

Logarithms $Log_b N = P$ Write in exponential form.

> Use properties while solving and simplify.

Advanced Alg/Trig Chapter 8

EXPONENTIALS AND LOGARITHMS

Product property $log_{-x}xy = log_{x}x + log_{y}y$

Quotient property $log_{-h}x / log_{h}y = log_{h}x - log_{h}$

> Power property $log_{-b}N \times = x log_b N$

OPERTIES

Exponential $y = ab^x$ Asymptote = x-axis, y = 0y-intercept (0,1)

Logarithms $Log_b N = P$ Asymptote = y-axis, x = 0x-intercept = (1,0)

For both graphs, relate to parent function and label intercepts.