

Graphing Exponential , Log , Quadratic

Steps:



How to graph Log Functions: *can't plug* *into a log.*

$$5^{y-2} = \log_5(x-3)$$

$$y = \log_5(x-3) + 2$$

$$5^{y-2} = x-3$$

change to exponential

$$\frac{+3 \quad +3}{5^{y-2} + 3 = x}$$

$$\begin{array}{c|c} x & y \\ \hline 0 & -2 \\ 1 & -1 \\ 2 & 0 \\ 3 & 1 \\ 4 & 2 \end{array}$$

How to graph Exponential Functions

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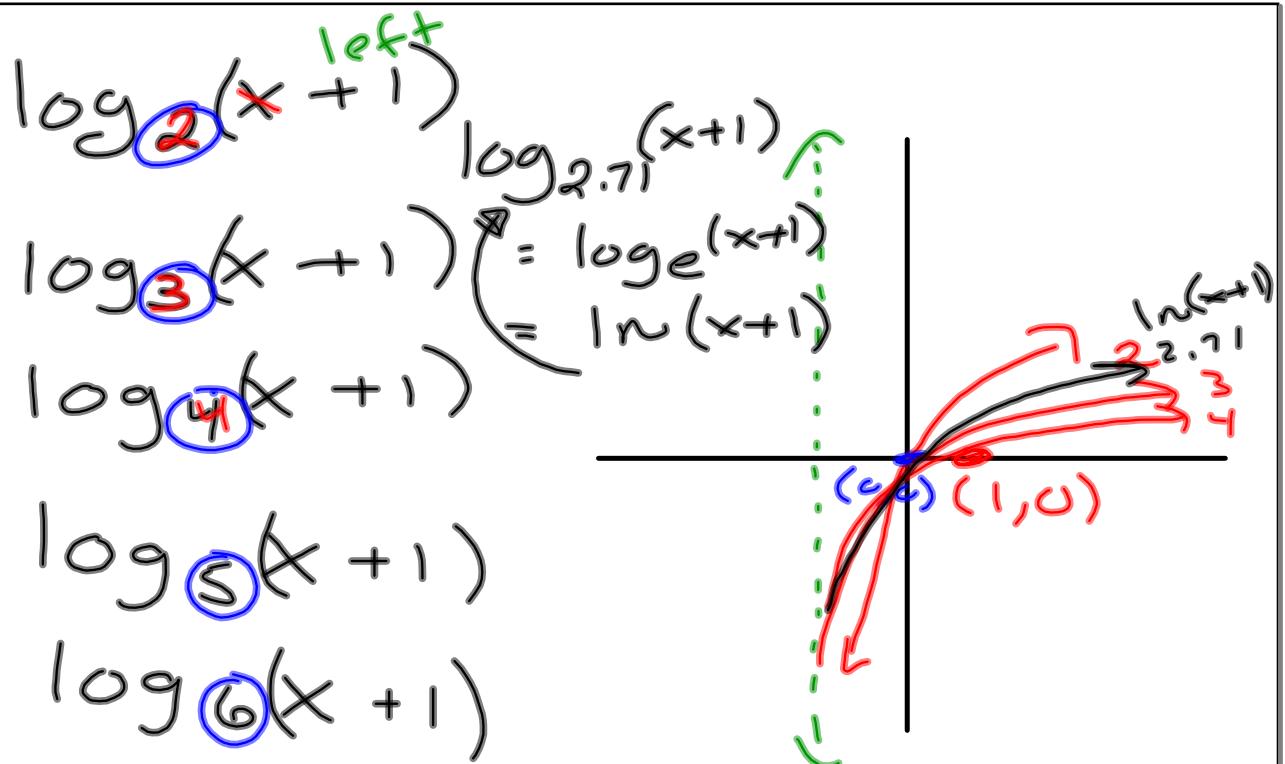
Homework:

Finish



worksheets

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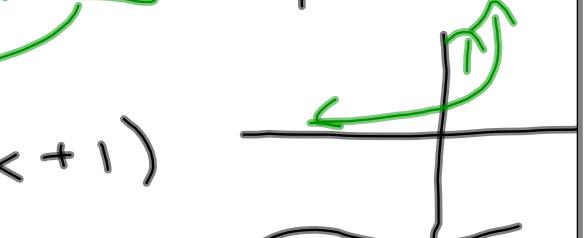
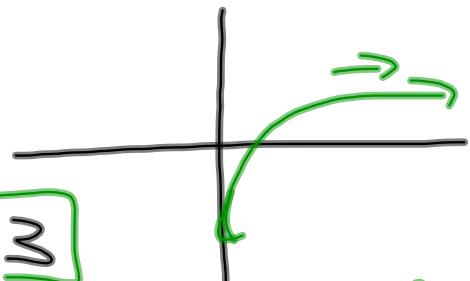
$$y = \ln(x+1) - 3$$

$$y = \log_{2.71}(x+1) - 3$$

$$y + 3 = \log_{2.71}(x+1)$$

$$2.71^{y+3} = x+1$$

$$\frac{-1}{2.71^{y+3} - 1} = x$$

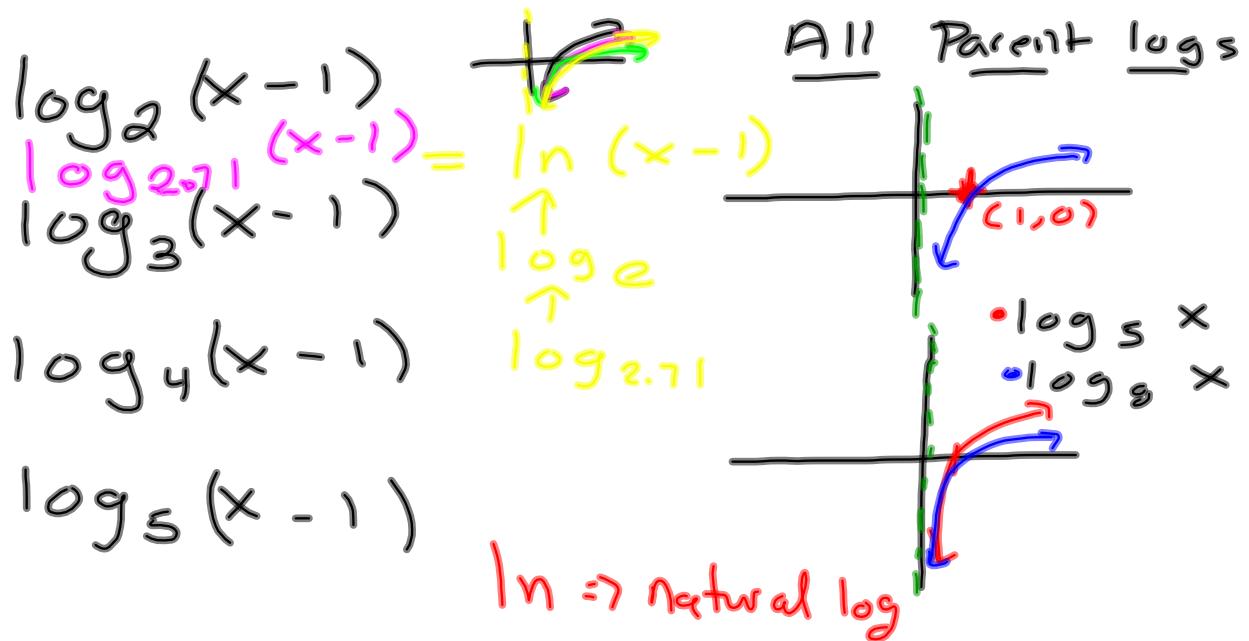


e^{x+1}

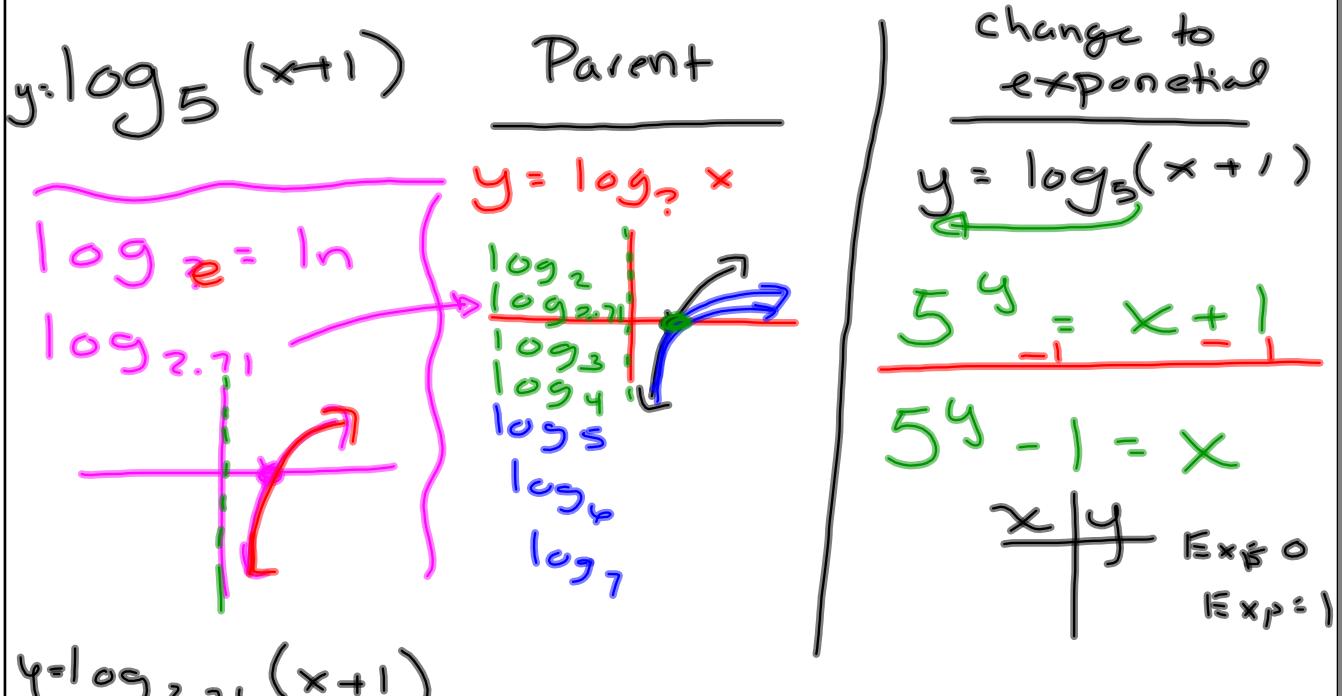
$$y = 2.71^{x+1}$$

$$y = 5^{x+1}$$

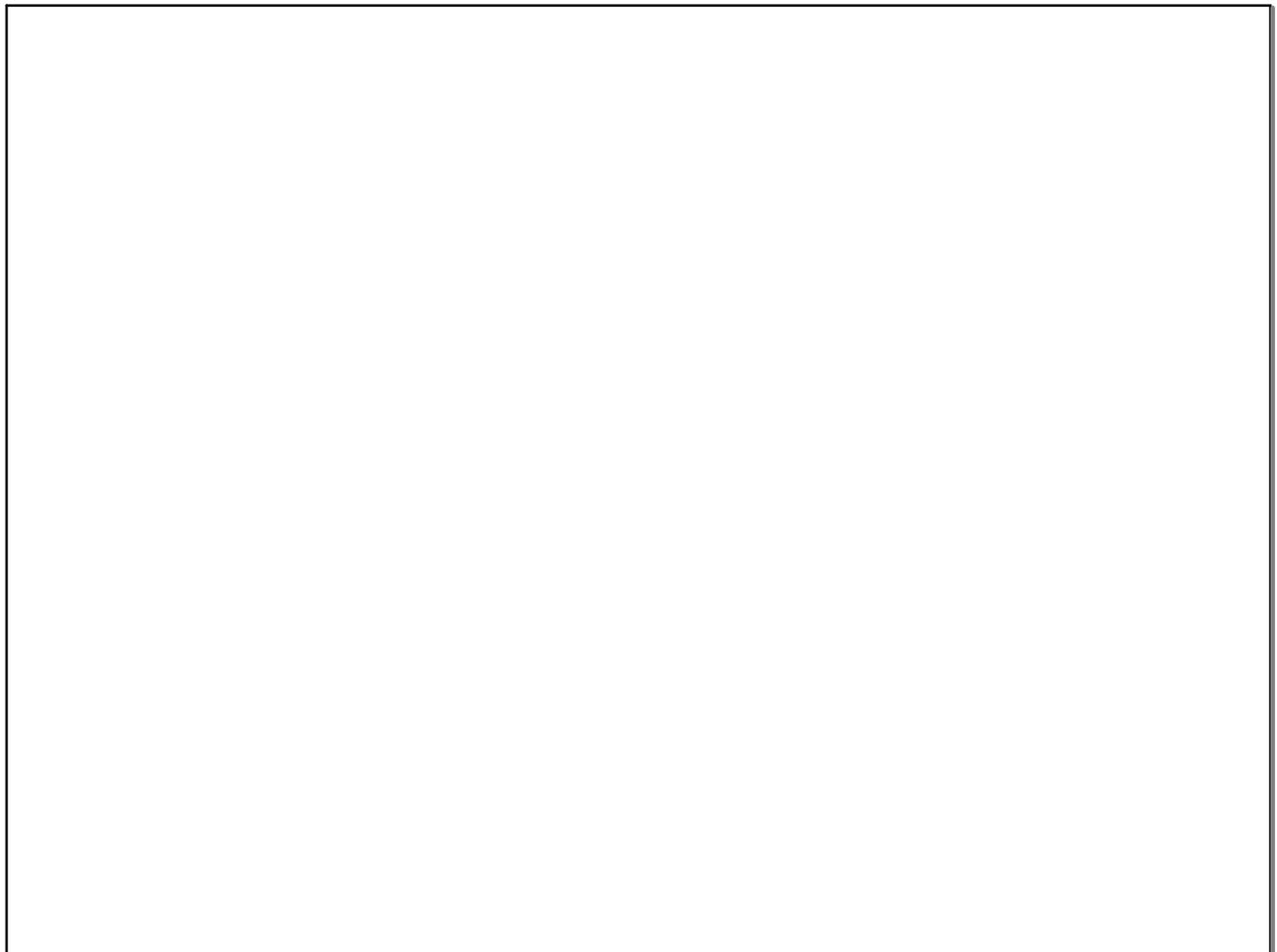
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Feb 17-1:07 PM