

Log and Exponential Equations Quiz

Solve the equations for x.

1. $\log 5 + \log x = 2$

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

3. $8^{x+21} = 32^{2x-3}$

4. $\log_8 x - \log_{8^7} x = 4/3$

Skillz Up - QUIZ

Write each in logarithmic form:

$4^x = 64$

$5^{-3} = 1/125$

$2^x = 19$

$2^x = A$

Write each in exponential form:

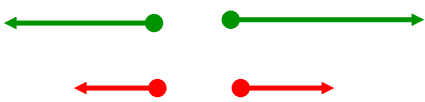
$\log_3 27 = 3$

$\log_x 216 = 3$

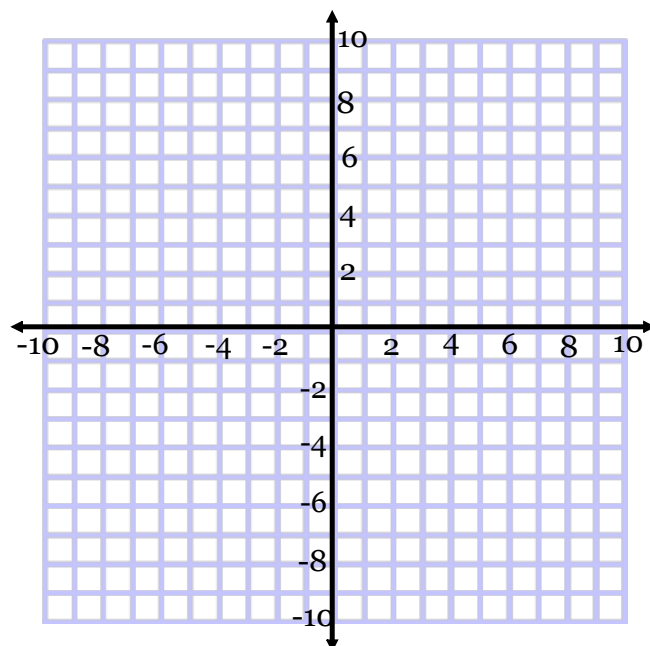
$\log 0.1 = -1$

$\log_x 79 = b$

Sketch a graph of $y = \log_2 x$ and then the graph of $y = 2\log_2(x + 6) + 4$



		x	y		
		1/2	-1		
		1	0		
		2	1		
		4	2		
		8	3		



Review

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2, 5, 6, 7, 8, 10, 11,
12, 13, 14, 15, 16, 17,
18, 19, 20, 23

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1, 2, 3, 4, 5, 6, 7, 8, 9