

Natural Logarithms Equations Maze

Directions: Find the solution to each equation to “find the log” and solve the maze. SHOW YOUR WORK!

START: $\ln e^x = 6$		$\ln x + \ln 3 = 4$		$\ln e^{x-2} = 14$		$e^{x-2} = 5$
	4		$\frac{e^4}{3}$		$\ln 10$	
6	$\frac{7}{2}$	$\ln\left(\frac{7}{2}\right)$	$\ln\left(\frac{2}{7}\right)$	16	$2 + \ln 5$	7
$\ln x + \ln 4x = 2$		$4e^x = 14$		$e^{\frac{x}{2}} = 4$		$e^{\ln 3x} = 12$
	$\frac{e^2}{4}$		$\ln 3$		$4 \ln 2$	
$\frac{e}{2}$	$\frac{e^3}{2}$	$2 \ln 7$	$\ln 4.5$	$\ln 8$	4	36
$-2 + \ln 2x = 1$		$41 - e^{2x} = 5$		$e^{2x-3} = 1$		$\ln x + \ln 5 = 3$
	$2e^3$		$\frac{3}{2}$		$\ln 3$	
e^6	$\frac{e^4 + 2}{3}$	$\ln 6$	$\frac{2}{3}$	$\ln 1.5$	$e^{1.5}$	$\frac{e^3}{5}$
$\ln(3x - 2) = 4$		$e^{4x} = 9$		$\ln(x + 1)^2 = 2$		STOP!
	$\ln 20$		$\frac{\ln 3}{2}$		$e - 1$	