Natural Logarithms Equations Maze

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

START: $\ln e^{x} = 6$

4

$\ln x + \ln 3 = 4$

$\frac{e^4}{3}$

$\ln e^{x-2} = 14$

$\ln 10$

$e^{x-2} = 5$

6

$\frac{7}{2}$

$\ln\left(\frac{7}{2}\right)$

$\ln\left(\frac{2}{7}\right)$

16

$2 + ln5$

7

$\ln x + \ln 4x = 2$

$\frac{e^2}{4}$

$4e^{x} = 14$

$\ln 3$

$e^{\frac{x}{2}} = 4$

$4 \ln 2$

$e^{\ln 3x} = 12$

$\frac{e}{2}$

$\frac{e^3}{2}$

$2 \ln 7$

$\ln 4.5$

$\ln 8$

4

36

$-2 + \ln 2x = 1$

$2e^3$

$41 - e^{2x} = 5$

$\frac{3}{2}$

$e^{2x-3} = 1$

$\ln 3$

$\ln x + \ln 5 = 3$

e^6

$\frac{e^4 + 2}{3}$

$\ln 6$

$\frac{2}{3}$

$\ln 1.5$

$e^{1.5}$

$\frac{e^3}{5}$

$\ln(3x - 2) = 4$

$\ln 20$

$e^{4x} = 9$

$\frac{\ln 3}{2}$

$\ln(x + 1)^2 = 2$

$e - 1$

STOP!

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