

Math 3

Act. #38 "Natural Logarithms"

Solve the following. Round to the tenths place.

① $e^{4x} = 3$

⑧ $\ln(x) + 8 = 10$

② $\ln(2x) = 5$

⑨ $5e^{x-2} = 20$

③ $e^{x+2} = 2$

⑩ $e^{6x} - 10 = -8$

④ $\ln(5x+1) = 3$

⑪ $4 \ln(3x) = 16$

⑤ $2e^{3x} = 6$

⑫ $\ln(2x) + 5 = 11$

⑥ $5 \ln(x-3) = 15$

⑬ $6e^{x-4} = 18$

⑦ $e^{2x} + 4 = 10$

⑭ $3 \ln(x-4) = 9$