Solving Natural Logarithms Practice Problems

Solve each equation.

1) $\ln 2x + \ln 8 = 1$

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

3) $\ln (x + 4) - \ln 9 = 5$

4) $\ln 10 - \ln (x - 9) = 4$

5) $\ln (x + 5) + \ln 6 = \ln 15$

6) $\ln (x + 9) - \ln 10 = 5$

7) $\ln 5 - \ln (x - 10) = \ln 19$

8) $\ln 4 - \ln (x - 7) = 2$

9) $\ln 9 - \ln 3x = 5$

10) $\ln (x + 9) - \ln 3 = 3$

Answers to Solving Natural Logarithms Practice Problems

1) $\left\{\frac{e}{16}\right\}$

2) $\left\{\frac{2-3e^4}{e^4}\right\}$

3) $\{9e^5-4\}$

4) $\left\{\frac{10+9e^4}{e^4}\right\}$

5) $\left\{-\frac{5}{2}\right\}$

6) $\{10e^5-9\}$

7) $\left\{\frac{195}{19}\right\}$

8) $\left\{\frac{4+7e^2}{e^2}\right\}$

9) $\left\{\frac{3}{e^5}\right\}$

10) $\{3e^3-9\}$