

Properties of Log and Ln

1. $\ln 1 = 0$ 2. $\ln e^a = a$

3. $e^{\ln x} = x$ 4. $\ln x^n = n \ln x$

5. $\ln(ab) = \ln a + \ln b$

6. $\ln\left(\frac{a}{b}\right) = \ln a - \ln b$