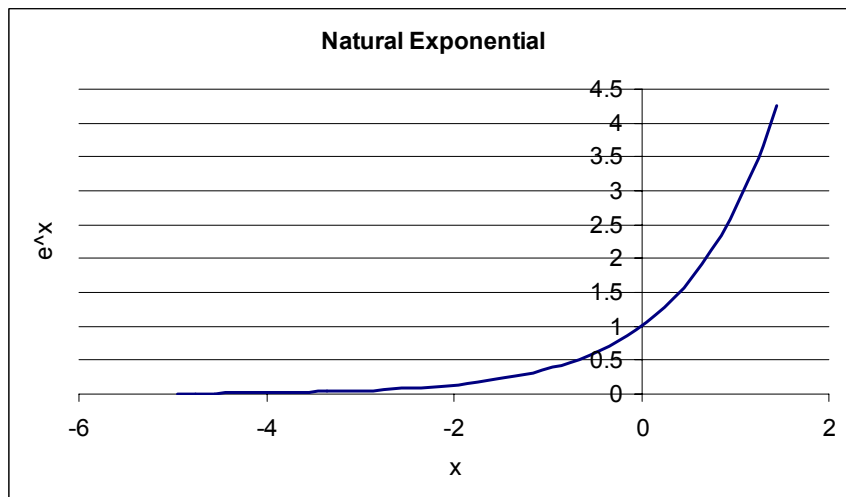
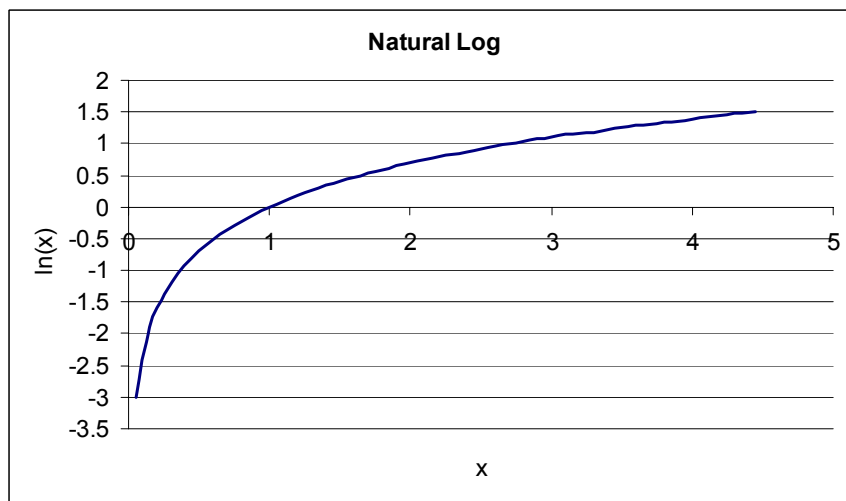


Log Laws

Natural Log is Log to base e ($e=2.718282$) and is often written ln. **BEWARE** Some papers use logs with different bases (typically e and 10) without distinguishing between them...

$$\begin{aligned}\text{Log}[\exp(A)] &= A \\ \text{Log}(A) + \text{Log}(B) &= \text{Log}(AB) \\ \text{Log}(A) - \text{Log}(B) &= \text{Log}(A/B) \\ \text{Log}(1/A) &= -\text{Log}(A)\end{aligned}$$



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This document is from the Fuel Cell Knowledge website, which presents information on the research and development of fuel cells and renewable energy systems. The focus is on Solid Oxide Fuel Cells (SOFCs) with particular emphasis on thermodynamics, materials & gas properties and SOFC computational modelling. Material presented has arisen from my PhD at Cambridge University Engineering Department.