

You can use a calculator to create a table of values to check if this statement is true or false. Another way to think about this is to go back to the definition of logarithm: $y = \ln x = \log_e x$ means that $e^y = x$. As x decreases, the exponent y will decrease. This is the same as saying that as x decreases, $\ln x$ will decrease. In other words, as the input decreases, the graph goes down.