Answer on Question #44089, Math, Algebra

how do i write in exponential form log(0.001)=-3

Solution:

The logarithm equation $\log_b a = c$ and the exponential equation $a = b^c$ are always equivalent by definition. Therefore, by definition, the logarithm equation $\log(0.001) = -3$ is equivalent to the exponential equation:

$$10^{-3} = 0.001.$$