

Equations w/ Lambert W Function

$$(Q1.) W(W(x)) = 1$$

$$(Q2.) W(x) = \ln(2x)$$

$$(Q3.) W(e^x) = (W(e))^x$$

$$(Q4.) 1 + W((e^2 - 1)x) = e^2$$

$$(Q5.) W(9x - 7)e^{W(9x - 7)} = \frac{-1}{e}$$

$$(Q6.) W(e^{e^2 + 1 + x^x}) = x^x$$

$$(Q7.) W(e^{x+1}) = x + 1$$

$$(Q8.) W(x + 1) = (x + 1)^2$$

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