

## 10350 Logarithmic Equations - Sample Questions Set 13

Solve the following equations without using a calculator.

(Basic 1)  $\log_2 x = 3$

(Basic 2)  $2 \ln x = 4$

(Basic 3)  $\ln x^2 = 4$

(Miscellaneous 4)  $\log_{10}(2x) = \log_{10}(1 - x)$

(Misc. 5)  $\ln(2x) = \ln(x - 1) + 1$