
MATH2 (814012) – SPRING 2006

WORKSHEET 9

QUESTION (1): Evaluate the following:

(1) $\log_2 1 =$

(2) $\log(0.7) - \log(0.07) =$

(3) $e^{3\ln 2} =$

QUESTION (1): Solve the following equations:

(1) $\log_2(3x - 2) = 4$

(2) $\log(x^2 - 1) - \log(x - 1) = \log(6)$

(3) $4 \log_3(2x) - 1 = 7$

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

(5) $2^{x-1} = 9$

(6) $5^{x+1} = 8^{x-1}$