Use the properties of logarithms to expand or simplify the following expression as much as possible. Simplify any numerical expressions that can be evaluated without a calculator.

$\log_9(81x^3)$	$\log_3(\frac{x-4}{x^7})$	$\log_{10} 5 + \log_{10} 2$	

$\log_9(x^2 + 12x + 32) - \log_9(x + 8) = 0$	$\log_5(x - 1) + \log_5(x - 3) = 1$