Question.	What is an exponent?	
	and B be positive real numbers and p any number. For each of the , find an equivalent expression that only involves $\log A$ and $\log B$.	following
Question.	$\log(A\cdot B) =$	
Question.	$\log(A/B) =$	

Question. $\log(A^p) =$



Question. log(1) =



Question. Find a way to express $\log_2(x)$, the base 2 logarithm using $\log(x)$, or the base 10 logarithm.



Determine whether the following are true:

(1)
$$\log(10^2 \cdot 10^3) = \log 10^2 + \log 10^3$$

(2)
$$\log(10^5 \cdot 10^{-7}) = \log 10^5 + \log 10^{-7}$$

(3)
$$\log(10^2/10^3) = \log 10^2 - \log 10^3$$

(4)
$$\log(10^3/10^{-3}) = \log 10^3/\log 10^{-3}$$