1.	Introduction and Learning Outcomes The goal of this assignment is to practice with logarithms that appear frequently in the analysis of algorithms.	1/1 point
	Recall that $\log_a n$ is the power to which you need to raise a in order to obtain n .	
	The main rules for working with logarithms are the following:	
	1. $\log_a(n^k) = k \log_a n$ 2. $\log_a(nm) = \log_a n + \log_a m$	
	$3. n^{\log_a b} = b^{\log_a n}$	
	4. $\log_a n \cdot \log_b a = \log_b n$	
	og og og	
	is it true that $(\log_5 n)^2 = 2\log_5 n$?	
	○ Yes	
	No	
	✓ Correct	
2.	$\log_2 n \cdot \log_3 2 = \log_3 n$	1/1 point
	Yes	
	○ No	
	✓ Correct	
3.	$n^{\log_2 n} = n$	1/1 point
	○ Yes	
	● No	
	✓ Correct	
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4.	$\log_3(2n) = \log_3 2 \cdot \log_3 n$	1 / 1 point
	O Yes	
	No No	
	✓ Correct	
-	$\log_{10}(n^2) = 2\log_{10}n$	
э.		1/1 point
	Yes	
	O No	
	✓ Correct	
	$n^{\log_7 3} = 7^{\log_3 n}$	1 / 1 point
	Yes	
	No No	
	✓ Correct	
	$n^{\log_7 3} = 3^{\log_7 n}$	