

mobius

Logarithms - Power Property - Power To Product (Exponents)



1 Convert the given logarithm to its equivalent based on the power property	Α				Convert the given logarithm to its equivalent based on the power property			
- 2	7 log ₄ 2		4 log ₂ 7		\log_{10}	12	2	
log, /-	D	E		Α	10 log ₂ 12	В	12 log ₁₀ 2	
04	4 log ₇ 2	2 log ₄ 7		С	$\frac{2\log_{10}12}{2\log_{10}12}$	D	10 log ₁₂ 2	
				E	2 log ₁₂ 10			
3 Convert the given logarithm to its equivalent based on the power	Α	В	С	4 Co	onvert the given logarithm to its quivalent based on the power	Α	В	С
property	2 log ₄ 8	8 log ₄ 2	4 log ₂ 8		property	9 log ₄ 3	9 log ₃ 4	4 log ₃ 9
$\log_4 8^2$	D			lc	$\log_{\rm o} 3^4$	D		
	4 log ₈ 2					4 log ₉ 3		
5 Convert the given logarithm to its equivalent based on the power	Α	В	С		quivalent based on the power	Α	В	С
property	2 log ₆ 4	2 log ₄ 6	6 log ₄ 2		property	7 log ₉ 2	2 log ₉ 7	2 log ₇ 9
$\log \Lambda^2$	D			1	\sim 7^2	D		
log ₆ 4	6 log ₂ 4			ı	g_9	9 log ₇ 2		
7 Convert the given logarithm to its	A	В		8 Co	onvert the given logarithm to its	A	В	С
equivalent based on the power property	$2\log_6$	10 10	$\log_6 2$	_ ^	quivalent based on the power property			21 5
	<u> </u>		-			6 log ₅ 3	5 log ₃ 6	3 log ₆ 5
1 102	$\stackrel{\circ}{6}\log_1$	0 2			6 3	<u> </u>	_	
$\log_6 10^2$		0		10	og _s o°	D	E	
					O 5	3 log ₅ 6	5 log ₆ 3	