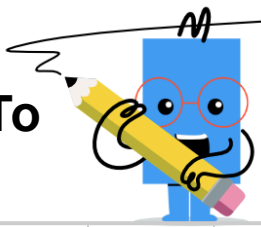
Name

Logarithms - Power Property - Power To Product (Variables)



1 Convert the given logarithm to its equivalent based on the power property	A	B	C	**2** Convert the given logarithm to its equivalent based on the power property	A	B	C
$\log_r n^x$	$n \log_r x$	$x \log_r n$	$r \log_x n$	$\log_r p^n$	$n \log_r p$	$r \log_n p$	$p \log_r n$
3 Convert the given logarithm to its equivalent based on the power property	A	B	C	**4** Convert the given logarithm to its equivalent based on the power property	A	B	C
$\log_z r^x$	$r \log_z x$	$z \log_x r$	$x \log_z r$	$\log_r p^x$	$p \log_r x$	$r \log_x p$	$x \log_r p$
5 Convert the given logarithm to its equivalent based on the power property	A	B	C	**6** Convert the given logarithm to its equivalent based on the power property	A	B	C
$\log_r m^y$	$y \log_r m$	$r \log_y m$	$m \log_r y$	$\log_t p^w$	$t \log_w p$	$p \log_t w$	$w \log_t p$
7 Convert the given logarithm to its equivalent based on the power property	A	B	C	**8** Convert the given logarithm to its equivalent based on the power property	A	B	C
$\log_p x^m$	$p \log_m x$	$x \log_p m$	$m \log_p x$	$\log_w p^n$	$n \log_w p$	$w \log_n p$	$p \log_w n$