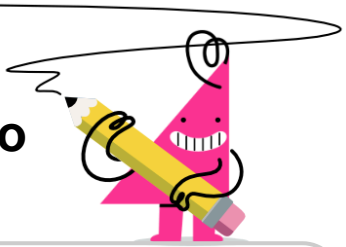
Name

Logarithms - Product Property - Sum to Product (Variables)



1 Convert the given logarithm to its equivalent based on the product property

$$\log_m x + \log_m p$$

A	$\log_p(m \cdot x)$	B	$\log_m(x \cdot p)$
C	$\log_m \frac{x}{p}$		

2 Convert the given logarithm to its equivalent based on the product property

$$\log_y w + \log_y p$$

A	$\log_y(w \cdot p)$	B	$\log_p(y \cdot w)$
C	$\log_y \frac{w}{p}$		

3 Convert the given logarithm to its equivalent based on the product property

$$\log_z r + \log_z w$$

A	$\log_w(z \cdot r)$	B	$\log_z(r \cdot w)$
C	$\log_z \frac{r}{w}$		

4 Convert the given logarithm to its equivalent based on the product property

$$\log_m w + \log_m x$$

A	$\log_m(w \cdot x)$	B	$\log_x(m \cdot w)$
C	$\log_m \frac{w}{x}$		

5 Convert the given logarithm to its equivalent based on the product property

$$\log_q r + \log_q p$$

A	$\log_q(r \cdot p)$	B	$\log_p(q \cdot r)$
C	$\log_q \frac{r}{p}$		

6 Convert the given logarithm to its equivalent based on the product property

$$\log_p t + \log_p y$$

A	$\log_y(p \cdot t)$	B	$\log_p(t \cdot y)$
C	$\log_p \frac{t}{y}$		

7 Convert the given logarithm to its equivalent based on the product property

$$\log_m t + \log_m r$$

A	$\log_r(m \cdot t)$	B	$\log_m \frac{t}{r}$
C	$\log_m(t \cdot r)$		

8 Convert the given logarithm to its equivalent based on the product property

$$\log_r x + \log_r z$$

A	$\log_z(r \cdot x)$	B	$\log_r \frac{x}{z}$
C	$\log_r(x \cdot z)$		