Name

Logarithms - Power Property - Product to Power (Variables)

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

$$m \log_q w$$

A $\log_q w^m$

B $q \log_m w^m$

C $\log_q m^w$

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

$$q \log_w z$$

A $\log_w z^q$

B $w \log_q z^q$

C $\log_w q^z$

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

$$x \log_z n$$

A $\log_z n^x$

B $\log_z x^n$

C $z \log_x n^x$

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

$$m \log_n p$$

A $\log_n p^m$

B $\log_n m^p$

C $n \log_m p^m$

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

$$z \log_p x$$

A $\log_p z^x$

B $p \log_z x^z$

C $\log_p x^z$

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

$$w \log_q p$$

A $q \log_w p^w$

B $\log_q p^w$

C $\log_q w^p$

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

$$r \log_w n$$

A $w \log_r n^r$

B $\log_w r^n$

C $\log_w n^r$

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

$$t \log_q p$$

A $q \log_t p^t$

B $\log_q t^p$

C $\log_q p^t$