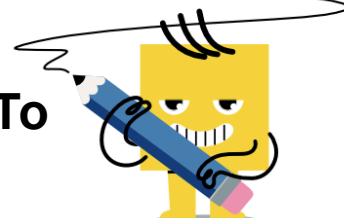




Logarithms - Power Property - Power To Product (Exponents)



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

$$\log_4 7^2$$

A $7 \log_4 2$ B $2 \log_7 4$ C $4 \log_2 7$

D $4 \log_7 2$ E $2 \log_4 7$

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

$$\log_{10} 12^2$$

A $10 \log_2 12$

B $12 \log_{10} 2$

C $2 \log_{10} 12$

D $10 \log_{12} 2$

E $2 \log_{12} 10$

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

$$\log_4 8^2$$

A $2 \log_4 8$ B $8 \log_4 2$ C $4 \log_2 8$

D $4 \log_8 2$

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

$$\log_9 3^4$$

A $9 \log_4 3$ B $9 \log_3 4$ C $4 \log_3 9$

D $4 \log_9 3$

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

$$\log_6 4^2$$

A $2 \log_6 4$ B $2 \log_4 6$ C $6 \log_4 2$

D $6 \log_2 4$

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

$$\log_9 7^2$$

A $7 \log_9 2$ B $2 \log_9 7$ C $2 \log_7 9$

D $9 \log_7 2$

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

$$\log_6 10^2$$

A $2 \log_6 10$ B $10 \log_6 2$

C $6 \log_{10} 2$

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

$$\log_5 6^3$$

A $6 \log_5 3$ B $5 \log_3 6$ C $3 \log_6 5$

D $3 \log_5 6$ E $5 \log_6 3$