

Properties of Logarithms

Write the property of logarithms that each equation demonstrates.

1) $\log_4 10^2 = 2 \log_4 10$

2) $\log_9 13 + \log_9 3 = \log_9 39$

3)

Preview

5)

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7) Which property of logarithms does this equation demonstrate $\log 12 + \log 7 = \log 84$?

a) Product Property

b) Power Property

c) Quotient Property

8) Which property of logarithms does this equation demonstrate $6 \log_5 2 = \log_5 2^6$?

a) Quotient Property

b) Product Property

c) Power Property