
Common Algebra Mistakes

Fragment: Rules of Logarithms

The Mistake Fragment

Find the algebra mistake:

$$\ln(xy) = \ln(x) \ln(y)$$

Need a hint? Look carefully at the red part of the algebra:

$$\ln(xy) = \ln(x) \ln(y)$$

The Correction

$$\ln(xy) = \ln(x) + \ln(y)$$

An Explanation

The correct rule to use is $\ln(xy) = \ln(x) + \ln(y)$.