

Logarithmic Equation

Mixed Logarithm: S3

Solve each logarithmic equation. Round the answer to two decimal places.

1) $2 \ln(x + 3.8) = 0.07$

x =

2) $\ln 0.5x = 0.7$

x =

3) $\ln(x - 0.8) = 1.14$

x =

5) $\ln\left(\frac{x}{10}\right) = 0.24$

x =

7) $2 \log_6(x - 1.9) =$

x =

9) $\log_2 5.1x = 3.7$

x =

10) $\ln(x + 4) = 1.9$

x =

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Answer key**Logarithmic Equation**

Mixed Logarithm: S3

Solve each logarithmic equation. Round the answer to two decimal places.

1) $2 \ln(x + 3.8) = 0.07$

$x = -2.76$

2) $\ln 0.5x = 0.7$

$x = 4.03$

3) $\ln(x - 0.8) = 1.14$

$x = 3.93$

5) $\ln\left(\frac{x}{10}\right) = 0.24$

$x = 12.71$

7) $2 \log_6(x - 1.9) =$

$x = 3.49$

10) $\ln(x + 4) = 1.9$

$x = 2.69$

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