

Logarithmic Equation

Natural Logarithm: S3

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

1) $\ln(x - 7) = 1.08$

x =

2) $\ln 12x = 2.09$

x =

3) $\ln(x - 4.1) = 0.29$

x =

5) $\ln\left(\frac{x}{0.9}\right) = 3$

x =

7) $\ln(x - 0.18) = 2.4$

x =

9) $\ln(x - 0.4) = 0.09$

x =

10) $2 \ln(x + 3.8) = 0.5$

x =

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Answer key**Logarithmic Equation**

Natural Logarithm: S3

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

1) $\ln(x - 7) = 1.08$

$x = 9.94$

2) $\ln 12x = 2.09$

$x = 0.67$

3) $\ln(x - 4.1) = 0.29$

$x = 5.44$

5) $\ln\left(\frac{x}{0.9}\right) = 3$

$x = 18.08$

7) $\ln(x - 0.18) = 2.4$

$x = 12.12$

10) $2 \ln(x + 3.8) = 0.5$

$x = -2.52$

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