

Logarithmic Equation

Natural Logarithm: S2

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

1) $\ln 2.8x = 0.2$

x =

2) $\ln (x + 8) = 0.86$

x =

3) $\ln (x - 4) = 0.01$

x =

5) $\ln\left(\frac{x}{1.2}\right) = 0.76$

x =

7) $\ln 10.4x = 0.64$

x =

9) $\ln (x + 12) = 1.08$

x =

10) $\ln\left(\frac{x}{0.1}\right) = 5.43$

x =

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Answer key**Logarithmic Equation**

Natural Logarithm: S2

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

1) $\ln 2.8x = 0.2$

$x = 0.44$

2) $\ln (x + 8) = 0.86$

$x = -5.64$

3) $\ln (x - 4) = 0.01$

$x = 5.01$

5) $\ln\left(\frac{x}{1.2}\right) = 0.76$

$x = 2.57$

7) $\ln 10.4x = 0.64$

$x = 0.18$

10) $\ln\left(\frac{x}{0.1}\right) = 5.43$

$x = 22.81$

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