

Logarithmic Equation

Natural Logarithm: S1

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

1) $\ln(x + 5) = 0.2$

x =

2) $\ln(x - 4.5) = 0.7$

x =

3) $\ln 5x = 0.01$

x =

5) $\ln\left(\frac{x}{0.5}\right) = 1.9$

x =

7) $\ln(x - 0.09) = 1.0$

x =

9) $\ln 2.7x = 0.98$

x =

10) $\ln\left(\frac{x}{0.2}\right) = 0.56$

x =

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Answer key**Logarithmic Equation**

Natural Logarithm: S1

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

1) $\ln(x + 5) = 0.2$

$x = -3.79$

2) $\ln(x - 4.5) = 0.7$

$x = 6.51$

3) $\ln 5x = 0.01$

$x = 0.2$

5) $\ln\left(\frac{x}{0.5}\right) = 1.9$

$x = 3.34$

7) $\ln(x - 0.09) = 1.0$

$x = 2.92$

10) $\ln\left(\frac{x}{0.2}\right) = 0.56$

$x = 0.35$

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