

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**

9) $\log_2 5.1x = 3.7$

x = **2.55**

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

x = **2.69**

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