

Logarithmic Equation

Mixed Logarithm: S1

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

1) $\ln\left(\frac{x}{2.4}\right) = 2$

x =

2) $5 \log_9(x - 0.58) = 1.15$

x =

3) $\log_2 12x = 4.9$

x =

5) $\ln(x - 6) = 1.76$

x =

7) $3 \log_6(x + 4) = 2$

x =

9) $2 \ln(x + 7) = 2.7$

x =

10) $\log_4(x - 0.28) = 0.95$

x =

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Answer key**Logarithmic Equation**

Mixed Logarithm: S1

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

1) $\ln\left(\frac{x}{2.4}\right) = 2$

x = **17.73**

2) $5 \log_9(x - 0.58) = 1.15$

x = **2.24**

3) $\log_2 12x = 4.9$

x = **2.49**

5) $\ln(x - 6) = 1.76$

x = **11.81**

7) $3 \log_6(x + 4) = 2$

x = **-0.3**

9) $2 \ln(x + 7) = 2.7$

x = **-3.14**

10) $\log_4(x - 0.28) = 0.95$

x = **4.01**

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