

**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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