

Logarithmic Equation

Mixed Logarithm: S2

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

1) $\log_8 5x = 1.07$

x =

2) $5 \ln(x + 6) = 0.08$

x =

3) $\ln(x - 5.7) = 0.04$

x =

.98

5) $\log_6(x - 8.2) = 0.$

x =

7) $\ln(x + 2.5) = 0.2$

x =

.76

9) $\ln\left(\frac{x}{1.8}\right) = 0.31$

x =

10) $\ln 9x = 0.34$

x = **PREVIEW**Gain complete access to the largest
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Answer key**Logarithmic Equation**

Mixed Logarithm: S2

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

1) $\log_8 5x = 1.07$

x = **1.85**

2) $5 \ln(x + 6) = 0.08$

x = **- 4.98**

3) $\ln(x - 5.7) = 0.04$

x = **6.74**

5) $\log_6(x - 8.2) = 0.1$

x = **9.94**

7) $\ln(x + 2.5) = 0.2$

x = **- 1.28**

9) $\ln\left(\frac{x}{1.8}\right) = 0.31$

x = **2.45**

10) $\ln 9x = 0.34$

x = **0.16**

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