

**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 = 

'6

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

x = 

10)  $\ln 9x = 0.34$

x = 

# PREVIEW

Access the largest collection of  
worksheets for just **\$19.95** per year!

Members, please  
log in to  
download this  
worksheet.

**Log in**

Not a member?  
Please sign up to  
gain complete  
access.

**Sign up**[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

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

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**

**PREVIEW**Access the largest collection of  
worksheets for just **\$19.95** per year!Members, please  
log in to  
download this  
worksheet.**Log in**Not a member?  
Please sign up to  
gain complete  
access.**Sign up**[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)