Logarithmic Equations

Nested Logs

1. $\log_2\left(\log_2(x)\right) = 1$

2. $\ln\left(\ln(x)\right) = 1$

3. $\log_4\left(\log_4(2x)\right) = 1$

4. $\log_2\left(\log_3(x)\right) = 2$

5. $\log_2\left(\log_3(x)\right) = 1$

6. $\ln\left(\ln(x)\right) = 0$

7. $\log_2\left(\log_5(x)\right) = 1$

8. $\log_5\left(\log_3(x)\right) = 0$

9. $\log_2\left(\log_2(x)\right) = 2$

10. $\log_3\left(\log_2(x)\right) = 1$

Answers

Logarithmic Equations

Nested Logs

1. $x = 4$

2. $x = e^e$

3. $x = 128$

4. $x = 81$

5. $x = 9$

6. $x = e$

7. $x = 25$

8. $x = 3$

9. $x = 16$

10. $x = 8$