

Pre-Calculus

KEY

Solve a logarithmic equation. Give the EXACT answer.

1. $x = 10^{-5} = \frac{1}{100,000}$

2. $x = \frac{10^7}{3} = \frac{10,000,000}{3}$

3. $x = e^{-8}$

4. $x = \frac{e^{8.5}}{5} = \frac{1}{5}e^{8.5}$

5. $x = \frac{e^9}{3} = \frac{1}{3}e^9$

6. $e^{0.6} - 2$

7. $x = 1 + e^2$

8. $x = e^2 - 2$

9. $x = e^4 - 1$

10. $5 + e^6$