

Solving Exponential Equations with Logarithms

Solve each equation. Round your answers to the nearest hundredth.

1. $2^x = 32$

2. $62^x = 13$

3. $9^x = 48$

4. $100^x = 27$

5. $2^x = 128$

6. $9^x = 33$

7. $4^x = 16$

8. $20^x = 36$

9. $3 + 10^{2x} = 26$

10. $4^{x-2} = 3 + 8$

11. $9^{x+2} + 3 = 36$

12. $10^{x-2} = 3 + 100$