

Solving Exponential Equations with Logarithms

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

1. $2^x = 10$

2. $10^x = 11$

3. $4^x = 10$

4. $10^x = 10$

5. $2^x = 100$

6. $4^x = 10$

7. $4^x = 100$

8. $20^x = 100$

9. $3 + 10^{2x} = 20$

10. $4^{2x-1} = 8 + 8$

11. $4^{2x-1} + 3 = 10$

12. $10^{2x-1} = 3 + 100$