

Solving Exponential Equations with Logarithms

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

1. $2^x = 32$

2. $32^x = 32$

3. $4^x = 64$

4. $100^x = 100$

5. $2^x = 128$

6. $4^x = 32$

7. $4^x = 64$

8. $20^x = 20$

9. $3 = 30^{2x} = 30$

10. $27^{x-2} = 3 \times 3$

11. $4^{x+2} = 3 \times 3$

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