

Exponential Equations w/logs

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Solve each equation. Round your answers to the nearest ten-thousandth.

1) $e^v = 62$

2) $12^x = 36$

3) $7^n = 11$

4) $16^k = 100$

5) $10^x = 41$

6) $11^{8x} = 5$

7) $20^{n+4} = 9$

8) $13^{p+3} = 57$

9) $17^{m+9} = 58$

10) $15^{-8r} = 62$

11) $20^{9-4a} = 10$

12) $17^{8k+1} = 23$

13) $5^{8x+5} = 93$

14) $4^{-4n-4} = 98$

15) $2^{7n-3} = 5$

16) $15^{8p-8} = 80$