

Exponential Equations Not Requiring Logarithms

Date _____ Period _____

Solve each equation.

1) $4^{2x+1} = 1$

(-3)

2) $3^{2x-3} = 3^{-1}$

(2)

3) $2^{x-2} = 242$

(-2)

4) $3^x = 3^{-4}$

(4)

5) $4^{2x-1} = 1$

(1)

6) $4^x = 4^{2x-1}$

(-1)

7) $6^{2x} = 6^{2x-3}$

(3)

8) $2^{3x-2} = 2^{16}$

(12)

9) $6^{2x} = 6^{2x} + 6^{2x}$

(0)

10) $\frac{2^x}{2^x} = 2^{16}$

(16)

11) $10^{2x} = 10^2 + \frac{1}{10}$

(1)

12) $3^{2x-2} = 3^{2x-2} + 3^{-1}$

(-1)

Exponential Equations Not Requiring Logs Worksheet With Answers

Camilla Rothe



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