

# Download Solving Exponential Equations Kuta

C 2 1MXaYd8e 2 Wwgi jt xh D DIfn GfXiTnNitBeK sAolJgXe6bnr 6ar 82 W.R Worksheet by Kuta Software LLC Kuta Software - Infinite Algebra 2 Name\_\_\_\_\_ Exponential Equations Not Requiring Logarithms Date\_\_\_\_\_ Period\_\_\_\_\_ Solve each equation. 1)  $42x + 3 = 1$  {? 3 2} 2)  $53 \cdot 2x = 5^x$  {3} 3)  $31 \cdot 2x = 243$  {?2} Kuta Software - Infinite Algebra 2 Name\_\_\_\_\_ Solving Exponential Equations with Logarithms Date\_\_\_\_\_ Period\_\_\_\_\_ Solve each equation. Round your answers to the nearest ten-thousandth. 1)  $3^b = 17$  2)  $12^r = 13$  3)  $9^n = 49$  4)  $16^v = 67$  5)  $3^a = 69$  6)  $6^r = 51$  7)  $6^n = 99$  8)  $20^r = 56$  9) Solving Exponential Equations with Logarithms Date\_\_\_\_\_ Period\_\_\_\_\_ Solve each equation. Round your answers to the nearest ten-thousandth. 1)  $3^b = 17$  2)  $12 = 13^r$  3)  $9 = 49^n$  4)  $16 = 67^v$  5)  $3 = 69^a$  6)  $6 = 51^n$  7)  $6 = 99^r$  8)  $20^r = 56^v$  9)  $5 \cdot 18 = 9^{6x}$  10)  $e + 3 = 81$  11)  $9 \cdot 6x^n + 10^r \cdot x^? = 26$  12) 11 Worksheet by Kuta Software LLC Math 104 Homework Solving Exponential Equations Same Base (SEESB) ©V h2]0F1C6C JKiustNaL zSSoGf]twWOafrReE ILPLGcf.b d fAilslZ Lr`iZgYhZtLsw xrweasOetrWvxejds. Solve each equation. 1) (1 6)  $2m = 36$  2)  $32x = 33$  3)  $9 - 3x = 33$  4)  $23m - 1 = 1$  5)  $32 - 2x = 16$  6)  $63r = 6 - 3r$  7) (1 9)  $2n = 27n$  8)  $53n - 2 = 125$  9)  $253k = 625$  10)  $4 - 2n = 4 - 3n$