Solve: $8(6)^{x} = 248$



Solve: $2^{x-1} = 292$



Solve: $e^{3x} = 5$



Solve: $\log_3(x) + \log_3(x - 8) = 2$



Solve: $2e^{3x} - 3 = 39$



Solve: $\ln(5x - 5) = 2$



Solve: $\log_5(x) + \log_5(x - 20) = 3$



Solve: $6e^{x/2} - 3 = 69$

Solving Exponential & Log Equations with Logarithms · 2

**ANSWER**

$x = 9.19$

Solving Exponential & Log Equations with Logarithms · 1

**ANSWER**

$x = 1.92$

Solving Exponential & Log Equations with Logarithms · 4

**ANSWER**

$x = 9$

Solving Exponential & Log Equations with Logarithms · 3

**ANSWER**

$x = 0.54$

Solving Exponential & Log Equations with Logarithms · 6

**ANSWER**

$x = 2.48$

Solving Exponential & Log Equations with Logarithms · 5

**ANSWER**

$x = 1.01$

Solving Exponential & Log Equations with Logarithms · 8

**ANSWER**

$x = 4.97$

Solving Exponential & Log Equations with Logarithms · 7

**ANSWER**

$x = 25$

Solve: $6(6)^{x} = 354$



Solve: $6^{x+3} = 107$



Solve: $e^{-x} = 0.5$



Solve: $\log_2(x) + \log_2(x - 15) = 4$



Solve: $3e^{x/2} - 8 = 7$



Solve: $\ln(3x - 1) = 1$



Solve: $\log_2(x) + \log_2(x - 7) = 3$



Solve: $2e^{3x} + 4 = 28$

Solving Exponential & Log Equations with Logarithms · 10

**ANSWER**

$x = -0.39$

Solving Exponential & Log Equations with Logarithms · 9

**ANSWER**

$x = 2.28$

Solving Exponential & Log Equations with Logarithms · 12

**ANSWER**

$x = 16$

Solving Exponential & Log Equations with Logarithms · 11

**ANSWER**

$x = 0.69$

Solving Exponential & Log Equations with Logarithms · 14

**ANSWER**

$x = 1.24$

Solving Exponential & Log Equations with Logarithms · 13

**ANSWER**

$x = 3.22$

Solving Exponential & Log Equations with Logarithms · 16

**ANSWER**

$x = 0.83$

Solving Exponential & Log Equations with Logarithms · 15

**ANSWER**

$x = 8$

Solve: $8(3)^x = 152$



Solve: $4^{x-1} = 30$



Solve: $e^{4x} = 2$



Solve: $2e^{3x} - 8 = 12$



Solve: $\ln(3x + 1) = 1$



Solve: $3e^{2x} + 4 = 34$



Solve: $5(7)^x = 135$



Solve: $7^{x-3} = 288$

Solving Exponential & Log Equations with Logarithms · 18

**ANSWER**

$x = 3.45$

Solving Exponential & Log Equations with Logarithms · 17

**ANSWER**

$x = 2.68$

Solving Exponential & Log Equations with Logarithms · 20

**ANSWER**

$x = 0.77$

Solving Exponential & Log Equations with Logarithms · 19

**ANSWER**

$x = 0.17$

Solving Exponential & Log Equations with Logarithms · 22

**ANSWER**

$x = 1.15$

Solving Exponential & Log Equations with Logarithms · 21

**ANSWER**

$x = 0.57$

Solving Exponential & Log Equations with Logarithms · 24

**ANSWER**

$x = 5.91$

Solving Exponential & Log Equations with Logarithms · 23

**ANSWER**

$x = 1.69$