B. Is the equation $y = 52(0.72)^x$ growth or decay? What is the rate of growth or decay?

Previous Answer:

69.3

L. Find the amount of money in a bank account that pays 1.9% annual interest, compounded monthly, with $900 invested after 10 years.

Previous Answer:
28% decay

U. Rewrite

$log(\frac{1}{1{,}000}) = \quad -3$ as an exponential equation.

Previous Answer:

$1,088.16

E. Solve

$$log_6(5n + 13) = 4$$

Previous Answer:

$$10^{-3} = \frac{1}{1{,}000}$$

S. How long does it take for $500 to grow to $800 at 2% annual interest compounded continuously?

Previous Answer:

n=256.6

T. Find the inverse of the function

$$y = ln(x + 3) - 1$$

Previous Answer:

23.5

O. Solve $7^{n+1} - 15 = 35$

Previous Answer:

$y = e^{x+1} - 3$

C. Find the amount of money in a bank account that pays 0.5% annual interest, compounded continuously, with $50 invested after 90 years.

Previous Answer:
n=1.01

K. Find the inverse of

$y = 4^{x-3}$

Previous Answer:

$78.42

I. What is the domain and range of $y = log_6(x)$?

Previous Answer:

$y = log_4(x) + 3$

N. What is the domain and range of $y = 10^x + 1$?

Previous Answer:

$(0, \infty)$ and $(-\infty, \infty)$

G. How long does it take for a $100 investment to double if it earns 1% annually and is compounded daily?

Previous Answer:

$(-\infty, \infty)$ and $(1, \infty)$