Name

Algebra with Logarithms - Binomial over Monomial and Constant

1

Simplify and solve for q

$\log_4\left(\frac{q+30}{q}\right)=2$

A $q=1$ B $q=2$

2

Simplify and solve for y

$\log_5\left(\frac{y+48}{y}\right)=2$

A $y=2$ B $y=4$

3

Simplify and solve for p

$\log_4\left(\frac{p+30}{p}\right)=2$

A $p=4$ B $p=2$

4

Simplify and solve for w

$\log_2\left(\frac{w+56}{w}\right)=3$

A $w=7$ B $w=8$

5

Simplify and solve for p

$\log_2\left(\frac{p+45}{p}\right)=4$

A $p=3$ B $p=5$

6

Simplify and solve for w

$\log_3\left(\frac{w+64}{w}\right)=2$

A $w=7$ B $w=8$

7

Simplify and solve for q

$\log_3\left(\frac{q+16}{q}\right)=2$

A $q=3$ B $q=2$

8

Simplify and solve for t

$\log_3\left(\frac{t+64}{t}\right)=2$

A $t=7$ B $t=8$