

mobius

Algebra with Logarithms - Binomial over Binomial and Constant



$$\log_2(\frac{4w+8}{5w-8})=3$$

$$\log_2\left(\frac{3w+5}{5w-4}\right)=3$$

$$\overset{\circ}{w}=\mathbf{4}\overset{\circ}{w}=\mathbf{2}\overset{\circ}{w}=\mathbf{1}\overset{\circ}{w}=\mathbf{3}\overset{\circ}{w}=\mathbf{0}\overset{\circ}{w}=\mathbf{1}\overset{\circ}{w}=\mathbf{3}\overset{\circ}{w}=\mathbf{2}$$

4

$$\log_3(\frac{2m+7}{3m-2})=2$$

$$\log_2{(\frac{9p+6}{4p-5})}=3$$

$$|m| = 3|m| = 1|m| = 2|m| = 0|p| = 2|p| = 1|p| = 3|p| = 4$$

6

$$\log_2(\frac{3m-9}{2m-6}) = 5$$

$$\log_2\left(\frac{6x-4}{2x-3}\right)=3$$

$$m=3m=5m=4m=2x=3x=2x=4x=1$$

8

$$\log_2\left(\frac{9m+7}{5m-3}\right)=3$$

$$\log_3(\frac{5q-7}{2q-8})=2$$

$$\hat{m} = 1 | \hat{m} = 3 | \hat{m} = 2 | \hat{m} = 0 | \hat{q} = 6 | \hat{q} = 7 | \hat{q} = 4 | \hat{q} = 5 |$$