Name

Logarithms - Change of Base - From Fraction

1 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_5 6}{log_5 5}$$

A $\log_5 7$ B $\log_6 6$ C $\log_5 4$

D $\log_5 6$

2 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_1 04}{log_1 02}$$

A $\log_2 4$ B $\log_2 6$ C $\log_2 3$

D $\log_2 2$ E $\log_4 4$

3 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_5 12}{log_5 4}$$

A $\log_{12} 4$ B $\log_4 11$ C $\log_4 12$

D $\log_4 14$ E $\log_6 12$

4 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_4 4}{log_4 9}$$

A $\log_9 4$ B $\log_9 6$ C $\log_9 5$

D $\log_7 4$

5 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_5 8}{log_5 3}$$

A $\log_3 8$ B $\log_3 7$ C $\log_3 6$

6 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_7 9}{log_7 9}$$

A $\log_9 8$ B $\log_9 11$ C $\log_{10} 9$

D $\log_9 9$

7 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_4 9}{log_4 7}$$

A $\log_7 7$ B $\log_9 7$ C $\log_7 9$

8 Convert the given logarithm fraction to its simplified form with a change of base

$$\frac{log_2 9}{log_2 2}$$

A $\log_0 9$ B $\log_3 9$ C $\log_2 9$

D $\log_2 11$