log

LOGARITHMS · GRADE 12

Logarithms · Grade 12

Name _____ Date _____ Score _____ / 12

01 $16^x = 4$ ____

02 $\log_7 2401 =$ ____

03 $\log_9 9 =$ ____

04 $8^x = 1/512$ ____

05 $8^x = 8$ ____

06 $6^x = 1/6$ ____

07 $\log_8 512 =$ ____

08 $\log_4 2 =$ ____

09 $\log_5 (1/25) =$ ____

10 $\log_7 49 =$ ____

11 $4^x = 1/4$ ____

12 $\log_{16} 4 =$ ____

Logarithms · Grade 12 (Answer Key)

01 $16^x = 4$ **x = 1/2**

02 $\log_7 2401 =$ **4**

03 $\log_9 9 =$ **1**

04 $8^x = 1/512$ **x = −3**

05 $8^x = 8$ **x = 1**

06 $6^x = 1/6$ **x = −1**

07 $\log_8 512 =$ **3**

08 $\log_4 2 =$ **1/2**

09 $\log_5 (1/25) =$ **−2**

10 $\log_7 49 =$ **2**

11 $4^x = 1/4$ **x = −1**

12 $\log_{16} 4 =$ **1/2**