MODULE 4

LESSON 4

QUIZ

1. Question. Which of the following single logarithms is equal to the expression
$$\log_2(x-1) + \log_2(x+2)?$$

   A. $(\log_2(x-1)) \cdot (\log_2(x+2))$

   B. $\log_2(x-1)(x+2)$

   C. $\log_2((x-1) + (x+2))$

   D. $\log_2(2x+1)$

   Go to answer 1

2. Question. Which of the following single logarithms is equal to the expression
$$\log_2(x-1) - \log_2(x+2)?$$

   A. $\log_2((x-1) - (x+2))$

   B. $\frac{\log_2(x-1)}{\log_2(x+2)}$

   C. $\log_2(-3)$

   D. $\log_2 \frac{x-1}{x+2}$

   Go to answer 2

3. Question. Which of the following expressions is equal to the single logarithm
$$\log_2 \frac{4}{25}?$$

   A. $2 - 2\log_2 5$

B. $\log_2 4 + \log_2 25$

C. $2 \cdot \log_2 25$

D. $\frac{2}{\log_2 25}$

Go to answer 3

4. Question. Which of the following expressions is equal to the single logarithm
$$\log_5(\frac{\sqrt{20}}{3})?$$

A. $\log_5 \sqrt{20} + \log_5 3$

B. $\frac{1}{2}\log_5 20 - \log_5 3$

C. $\frac{1}{2}\log_5 20 + \log_5 3$

D. $\frac{1}{2}(\log_5 20 - \log_5 3)$

Go to answer 4

5. Question. Which of the following expressions is equal to the single logarithm $\log_7 15$?

A. $\log 15$

B. $\log 15 - \log 7$

C. $\frac{\log 15}{\log 7}$

D. $\log \frac{15}{7}$

Go to answer 5

ANSWERS

1. Answer to Question 1 is "B".

   Go back 1

2. Answer to Question 2 is "D".

   Go back 2

3. Answer to Question 3 is "A".

   Go back 3

4. Answer to Question 4 is "B".

   Go back 4

5. Answer to Question 5 is "C".

   Go back 5