



Condense $2 \log_{10} x + 3 \log_{10} y - \log_{10} z$ into a single logarithm.

Drag and drop your answer to correctly complete the equation.

$$2 \log_{10} x + 3 \log_{10} y - \log_{10} z = \text{[]}$$

A)

$$\log_{10} \frac{x^2 y^3}{z}$$

B)

$$\log_{10} 6xyz$$

C)

$$\log_{10} x^2 y^3 z$$

D)

$$\log_{10} \frac{6xy}{z}$$

Write $4 \log_2 a + \log_2 6 + 3 \log_2 b$ as a single logarithm.

Drag and drop your answer to correctly complete the equation.

$$4 \log_2 a + \log_2 6 + 3 \log_2 b = \text{[]}$$

A)

$$\log_2 \frac{a^4 b^3}{6}$$

B)

$$\log_2 6a^4 b^3$$

C)

$$\log_2 \frac{6a^4}{b^3}$$

D)

$$\log_2 72ab$$

Condense $5 \log_3 x - 2 \log_3 y + 7 \log_3 z$ into a single logarithm.

Drag and drop your answer to correctly complete the equation.

$$5 \log_3 x - 2 \log_3 y + 7 \log_3 z = \text{[]}$$

A)

$$\log_3 \frac{35xz}{2y}$$

B)

$$\log_3 \frac{x^5 y^2}{z^7}$$

C)

$$\log_3 \frac{x^5 z^7}{y^2}$$

D)

$$\log_3 \frac{x^5}{y^2 z^7}$$