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.

$2\log_{10} x + 3\log_{10} y - \log_{10} z =$ _____

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

B) $\log_{10} 6xyz$

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

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.

$4\log_2 a + \log_2 6 + 3\log_2 b =$ _____

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

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

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.

$5\log_3 x - 2\log_3 y + 7\log_3 z =$ _____

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

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

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

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