

Logarithmic Equations

Solve each logarithmic equation.

$$\log_2 5 + \log_2 x = \log_2 35$$

$$x = \underline{\hspace{2cm}}$$

$$\log_2 x + \log_2 8 = \log_2 96$$

$$x = \underline{\hspace{2cm}}$$

$$\log_3 7 + \log_3 x = \log_3 56$$

$$x = \underline{\hspace{2cm}}$$

$$\log_5 11 + \log_5 x = \log_5 143$$

$$x = \underline{\hspace{2cm}}$$

$$\log_2 x + \log_2 6 = \log_2 48$$

$$x = \underline{\hspace{2cm}}$$