

Lippman Section 4.4 Using Log properties to solve equations

Important Topics of this Section

Inverse

Exponential

Change of base

Sum of logs property

Difference of logs property

Solving equations using log rules

Rewrite the following as a combination of single log functions.

$$\log\left(\frac{5x^2}{y^4}\right)$$

Rewrite the following as a single log.

$$2\log(x) + 3\log(y)$$

Solve

$$\log(x+5) - \log(x) = 2$$

Solve

$$\log(x) + \log(x+3) = 1$$