Converting Between Logarithmic and Exponential Forms - Step-by-Step Lesson

Convert the logarithmic form into its equivalent exponential form:

$$\log_2 8 = 3$$

Explanation

The logarithm form can be converted into its equivalent exponent form using the following relationship:

$\log_b x = y$ is equivalent to $x = b^y$

In this case:

$b = 2, x = 8$ & $y = 3$

So equivalent exponential form of given logarithmic form is:

$8 = 2^3$