Student Name: _____ **Score:**

Exponent Form

Write the following logarithmic form into exponent form:

Logarithmic Form	Exponent Form
$\log_3 9 = 2$	
$\log_4 64 = 3$	
$\log_5 25 = 2$	
$\log_2 128 = 7$	
$\log_3 \left(\frac{1}{27}\right) = -3$	
$\log_6 36 = 2$	
$\log_5 \left(\frac{1}{625}\right) = -4$	

Student Name: _____ **Score:**

Answers

Logarithmic Form	Exponent Form
$\log_3 9 = 2$	$3^2 = 9$
$\log_4 64 = 3$	$4^3 = 64$
$\log_5 25 = 2$	$5^2 = 25$
$\log_2 128 = 7$	$2^7 = 128$
$\log_3 \left(\frac{1}{27}\right) = -3$	$3^{-3} = \frac{1}{27}$
$\log_6 36 = 2$	$6^2 = 36$
$\log_5 \left(\frac{1}{625}\right) = -4$	$5^{-4} = \frac{1}{625}$