



Ejercicios con dificultades II y III

Nombre: _____ Calificación: _____

$\log_b \frac{1}{27} = 3$	$\log_{\frac{1}{4}} y = \frac{5}{2}$	$\log_b 32 = 5$	$\log_4 y = \frac{7}{2}$
$b = 1/3$	$y = 1/32$	$b = 2$	$y = 128$
$\log_b \frac{\sqrt{2}}{8} = -\frac{5}{2}$	$\log_b \frac{\sqrt{3}}{9} = -3$	$\log_{\sqrt{5}} y = 6$	$\log_{\sqrt{3}} \frac{\sqrt{3}}{81} = x$
$b = 2$	$b = \sqrt{3}$	$y = 125$	$x = -7$
$\log_{\frac{1}{5}} \frac{1}{625} = x$	$\log_b \frac{\sqrt{3}}{9} = \frac{3}{2}$	$\log_3 9 = x$	$\log_{\sqrt{2}} y = -7$
$x = 4$	$b = 1/3$	$x = 2$	$y = \frac{\sqrt{2}}{16}$
$\log_{\frac{1}{5}} 5 = x$	$\log_4 64 = x$	$\log_b 32 = -5$	$\log_{\frac{1}{4}} y = \frac{7}{2}$
$x = -1$	$x = 3$	$b = \frac{1}{2}$	$y = 1/128$
$\log_{\sqrt{3}} 3\sqrt{3} = x$	$\log_2 64 = x$	$\log_{\frac{1}{5}} 125 = x$	$\log_2 y = 4$
$x = 3$	$x = 6$	$x = -3$	$y = 16$
$\log_{\frac{1}{2}} \frac{1}{64} = x$	$\log_b \frac{\sqrt{5}}{25} = -3$	$\log_5 625 = x$	$\log_5 y = \frac{3}{2}$
$x = 6$	$b = \sqrt{5}$	$x = 4$	$y = 5\sqrt{5}$

Tomado de "100 lecciones de precálculo" Cruz & Cruz (2017)