

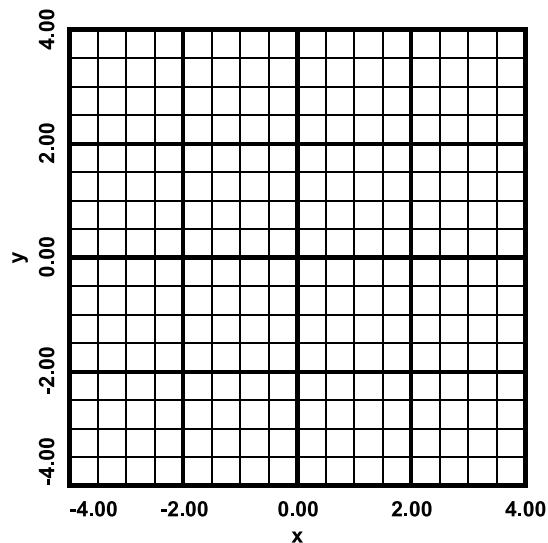
- 1) a) For $y = f(x) = 1.5^x$, fill in the table.

x	$y = f(x) = 1.5^x$
-2	
-1	
0	
1	
2	
3	

- b) Switch x and y in the table in part a.

x	$y = f^{-1}(x) = \log_{1.5} x$
	-2
	-1
	0
	1
	2
	3

- c) Graph $y = f(x)$, $y = f^{-1}(x)$ and $y = x$.



- 3) Convert the logarithmic equations to exponential form.

a) $x = \log_7 343$

b) $x = \log_6 216$

- 4) Use the Inverse Function Properties to solve the equations for x .

a) $\log_3 x = 4$

b) $\log_x 8 = 3$

- 2) Convert the exponential equations to logarithmic form.

a) $2^x = 256$

b) $5^x = 125$