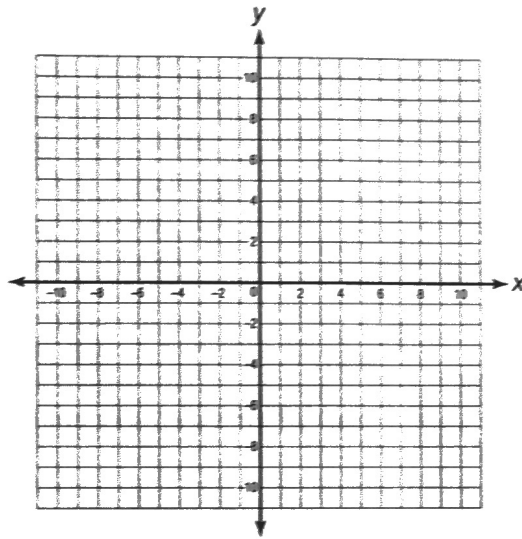


24. The function  $f(x)$  is represented by the equation  $f(x) = 3^x$ , while several input- and output-values of the function  $g(x)$ , whose domain is all real numbers, are recorded in the function table below.

$x$	$g(x)$
-1	0
0	3
1	6
2	9
3	12

- A. Graph  $f(x)$  and  $g(x)$  on the coordinate plane below.



- B. Compare the rates of change of  $f(x)$  and  $g(x)$ , and discuss the significance of the two graphs intersecting in the first quadrant.

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