

Transformations Check-in (Not graded)

1. Make a table of values for $f(x) = x^2$ and for $g(x) = f(x + 3)$. Make sure the vertex is in the middle of your table.

x					
f(x)					

x					
g(x)					

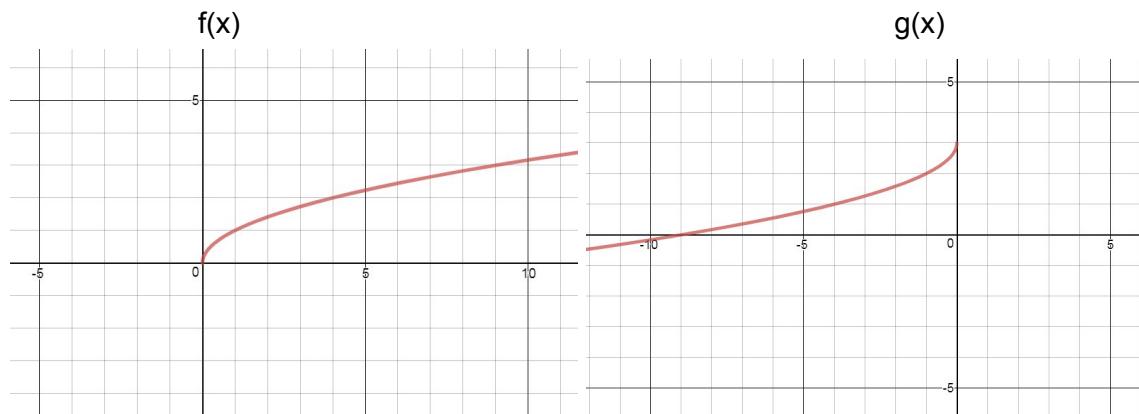
2. a. What transformation(s) happened to turn the first table into the second?

x	-2	-1	0	1	2
f(x)	2	1	0	1	2

x	-4	-3	-2	-1	0
g(x)	4	2	0	2	4

- b. Write equations for $f(x)$ and $g(x)$ based on the table.

3. a. What transformation(s) happened to turn the first graph into the second?



- b. Write equations for $f(x)$ and $g(x)$ based on the graphs.