

Chapter 1.3: Stretching and Shifting

Calculus I

College of the Atlantic. Winter 2021

Use the values for $g(x)$ given in the first table to complete the second table.

x	$g(x)$
-5	1
-4	1
-3	1
-2	2
-1	1
0	1
1	1
2	-2
3	1
4	1
5	1

x	$2g(x)$	$g(x+2)$	$g(x-2)$	$g(2x)$	$g(x/2)$
-5					
-4					
-3					
-2					
-1					
0					
1					
2					
3					
4					
5					

Sketch (on the same axes) the following functions using the table of numbers you just made.

1. $g(x)$ and $2g(x)$.
2. $g(x)$, $g(x + 2)$, and $g(x - 2)$
3. $g(x)$, $g(2x)$, and $g(x/2)$