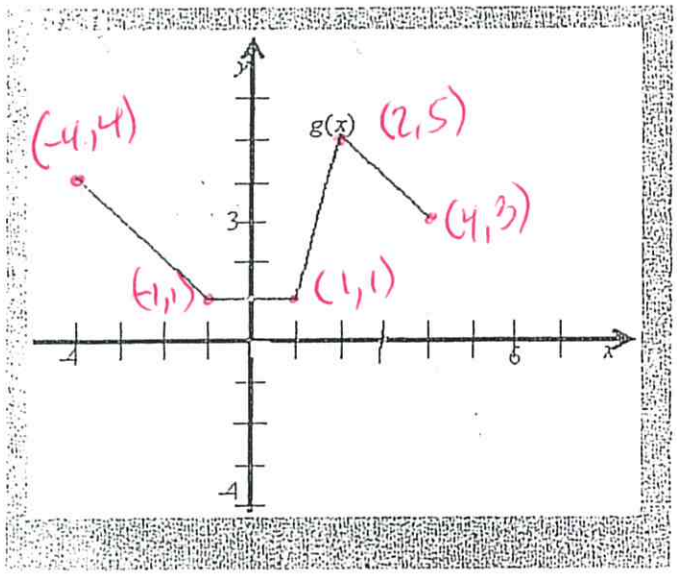
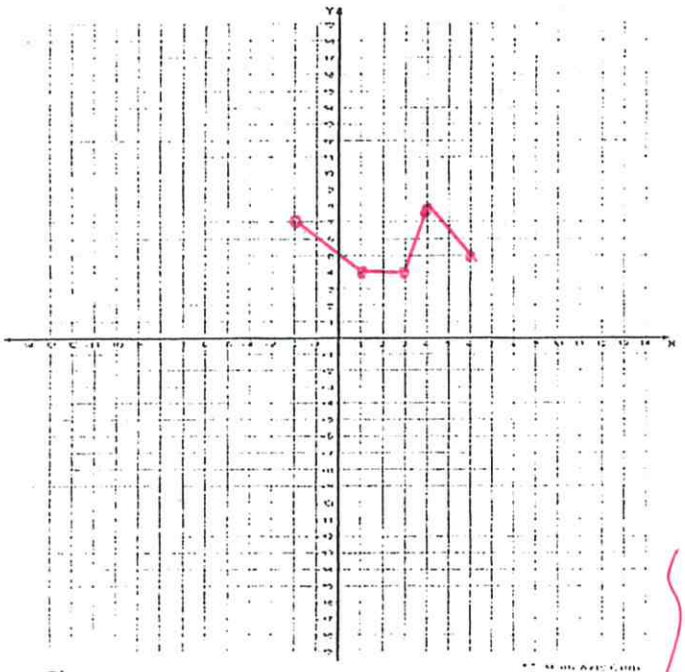
Algebra 2 Transformation Test Review

Name – Key – hr_

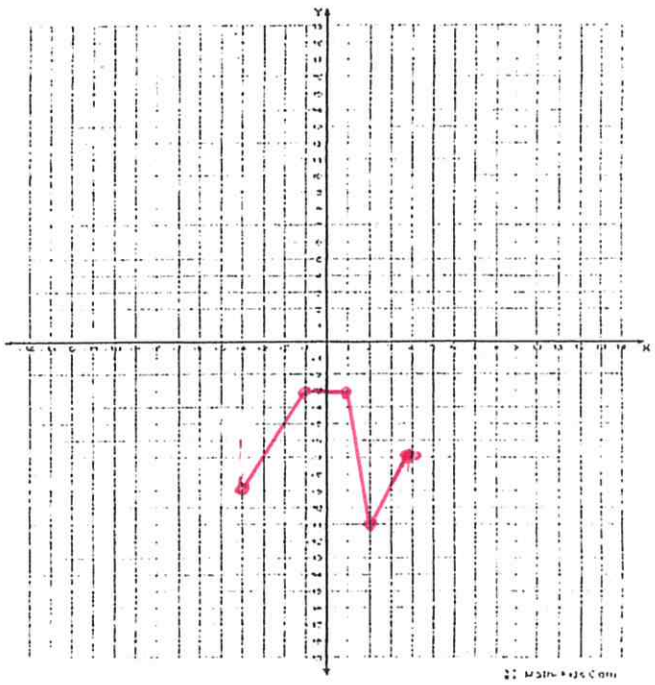
Using the arbitrary graph of y = g(x), describe the transformations and sketch a graph of the transformed function.



1. y = f(x-2) + 3



2. y = -2f(x) – 1



Show the parent table, the a/b table, the h/k table, with proper column labels.

x	f(x)
-4	4
-1	1
1	1
2	5
4	3

(a=1, b=1, no table)

x+2	f(x)+3
-2	7
1	4
3	4
4	8
6	6

Translation 2R, 3U

x	f(x)
-4	4
-1	1
1	1
2	5
4	3

x	-2f(x)
-4	-8
-1	-2
1	-2
2	-10
4	-6

Vertical Stretch of 2
Vertical Reflection

x	f(x)-1
-4	-9
-1	-3
1	-3
2	-11
4	-7

Translation 1D