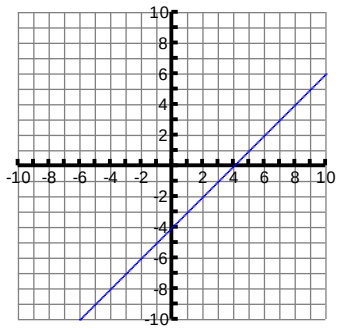
Transformations Practice

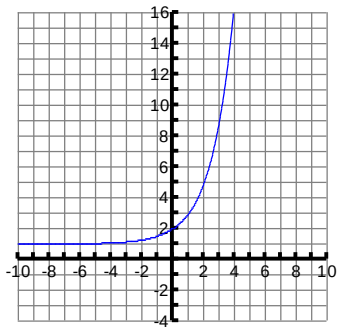
Name: _____ Date: _____

Given the following function, f(x), sketch the graph of the function g(x).

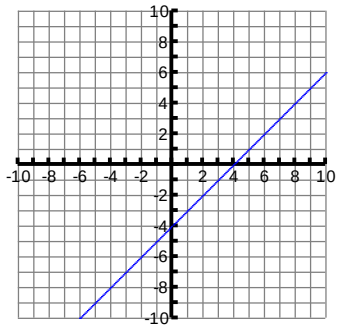
1) g(x) = f(x) + 6



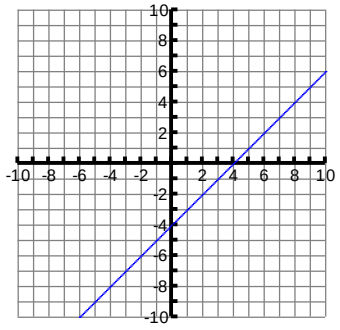
2) g(x) = f(x – 4)



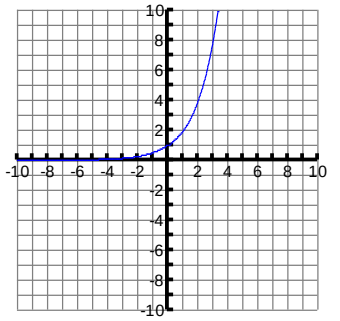
3) g(x) = –f(x)



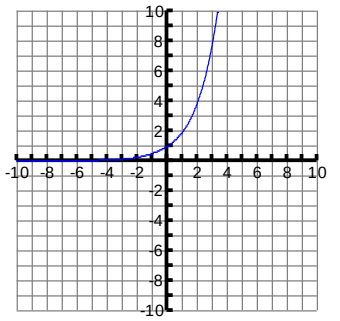
4) g(x) = – f(x) – 2



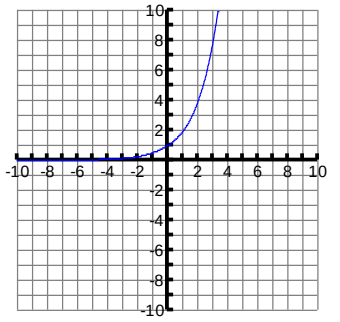
5) g(x) = f(x + 3) – 5



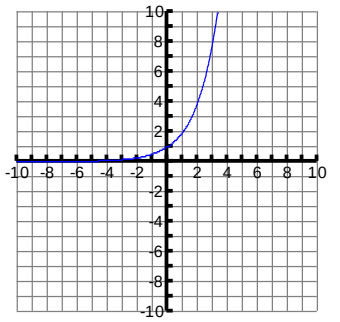
6) g(x) = ½ f(x)



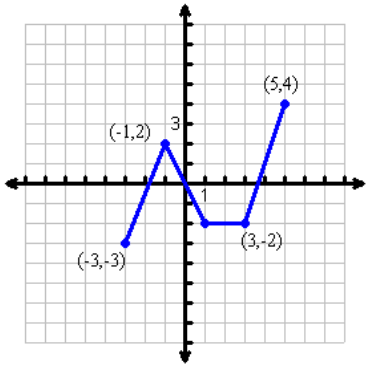
7) g(x) = 2f(x)



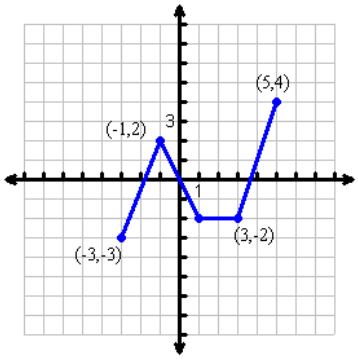
8) g(x) = f(x – 2) – 6



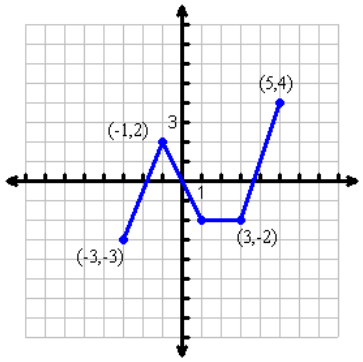
7) Graph f(x) + 2 on the graph, and find its domain and range.



8) Graph f(x – 4) on the graph, and find its domain and range.



9) Graph the function –2f(x) on the graph and find its domain and range.



10) Graph the function f(x + 4) – 2 on the graph and find its domain and range.