9. [8 points] Let $h(x) = \frac{4}{3}g(3(x+5)) - 9$. Write out in words a sequence of transformations that, when applied to the graph of $h(x)$ result in the graph of $g(x)$.

Note: You are transforming the graph of $h(x)$ to the graph of $g(x)$ here, and **not** the other way around.

In the first blank on each line, write one of the transformations from the list at the end of the problem. In the second blank, write a number that represents the appropriate shift or scaling factor. If you don't need to use all the lines below to write out the transformation, leave any remaining lines blank.

First, _____ by _____.

Then, _____ by _____.

Then, _____ by _____.

Then, _____ by _____.

List of transformations to choose from for the first blank on each line above:

Shift to the left	Shift up	Stretch vertically	Stretch horizontally
Shift to the right	Shift down	Compress vertically	Compress horizontally