

Cambridge International AS & A Level

Mathematics

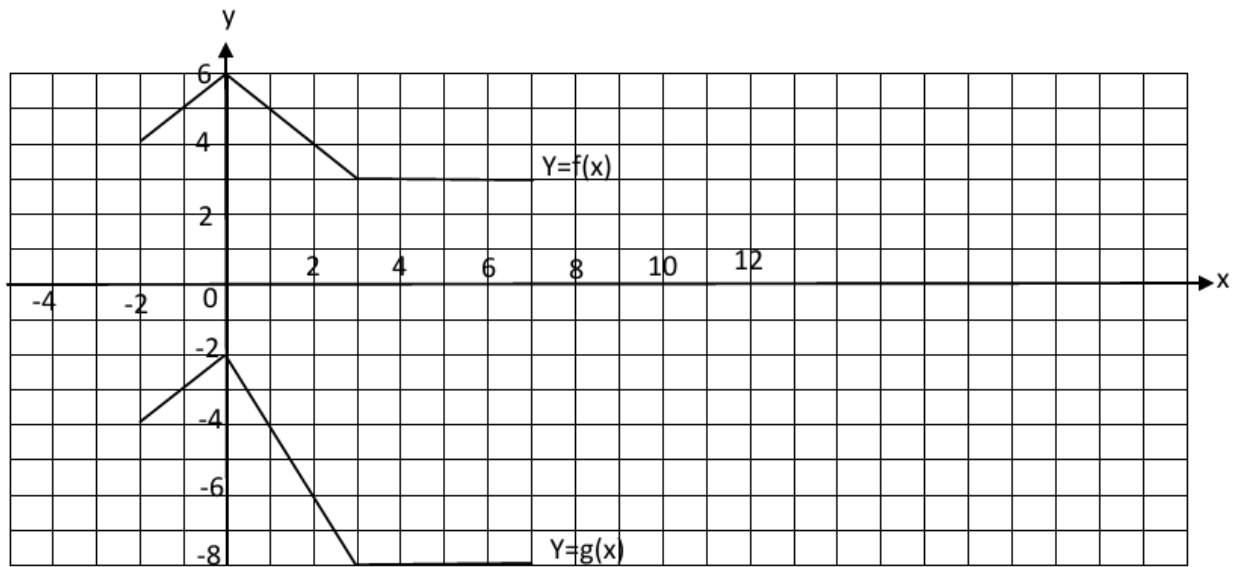
9709/12

Paper 1 Pure Mathematics 1

May/June 2025

Question No (1)

<http://kingcambridgesolutions.com>

Question No (1)

The diagram shows the graphs with equations $y = f(x)$ and $y = g(x)$.

Describe fully a sequence of two transformations which transforms the graph of $y = f(x)$ to the graph of $y = g(x)$. Make clear the order in which the transformations should be applied.

Solution:

sequence :

- ① stretch by factor 2
- ② parallel to the y-axis.