

Cambridge International AS & A Level

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Mathematics

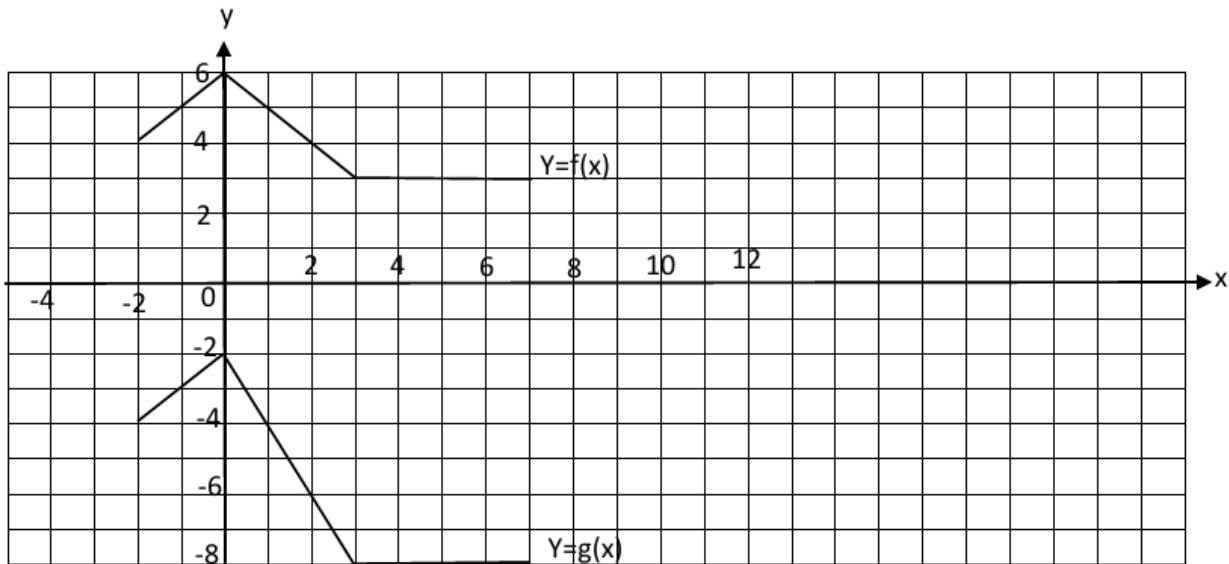
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Paper 1 Pure Mathematics 1

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.