



In the diagram, the graph of  $y = f(x)$  is shown with solid lines. The graph shown with broken lines is a transformation of  $y = f(x)$ .

- (a) Describe fully the two single transformations of  $y = f(x)$  that have been combined to give the resulting transformation. [4]

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- (b) State in terms of  $y$ ,  $f$  and  $x$ , the equation of the graph shown with broken lines. [2]

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