

- 2 (a)** The graph of  $y = f(x)$  is transformed to the graph of  $y = 2f(x - 1)$ .

Describe fully the two single transformations which have been combined to give the resulting transformation. [3]

[illegible]

- (b)** The curve  $y = \sin 2x - 5x$  is reflected in the  $y$ -axis and then stretched by scale factor  $\frac{1}{3}$  in the  $x$ -direction.

Write down the equation of the transformed curve. [2]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and extend across the entire width of the page. There is no text or other markings on the paper.