

6 The equation of a curve is $y = x^2 - 8x + 5$.

(a) Find the coordinates of the minimum point of the curve.

[2]

This image shows a full page of white paper with ten horizontal rows of small black dots, used as guides for handwriting practice. The dots are arranged in straight, parallel lines across the entire width of the page.

The curve is stretched by a factor of 2 parallel to the y-axis and then translated by $\begin{pmatrix} 4 \\ 1 \end{pmatrix}$.

(b) Find the coordinates of the minimum point of the transformed curve.

[2]

[illegible]

