

1

Describe the single transformation which maps the curve with the equation

$$y = \ln x$$

onto the curve with the equation

$$y = 2 \ln x$$

Tick (✓) **one** box.

[1 mark]

Stretch, scale factor 2, parallel to the y -axis

☐

Stretch, scale factor $\frac{1}{2}$, parallel to the x -axis

☐

Translation $\begin{bmatrix} 2 \\ 0 \end{bmatrix}$

☐

Translation $\begin{bmatrix} 0 \\ 2 \end{bmatrix}$

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