

1

The curve  $y = \sqrt{x}$  is translated onto the curve  $y = \sqrt{x+4}$

The translation is described by a vector.

Find this vector.

Circle your answer.

**[1 mark]**

$$\begin{bmatrix} 4 \\ 0 \end{bmatrix}$$

$$\begin{bmatrix} -4 \\ 0 \end{bmatrix}$$

$$\begin{bmatrix} 0 \\ 4 \end{bmatrix}$$

$$\begin{bmatrix} 0 \\ -4 \end{bmatrix}$$