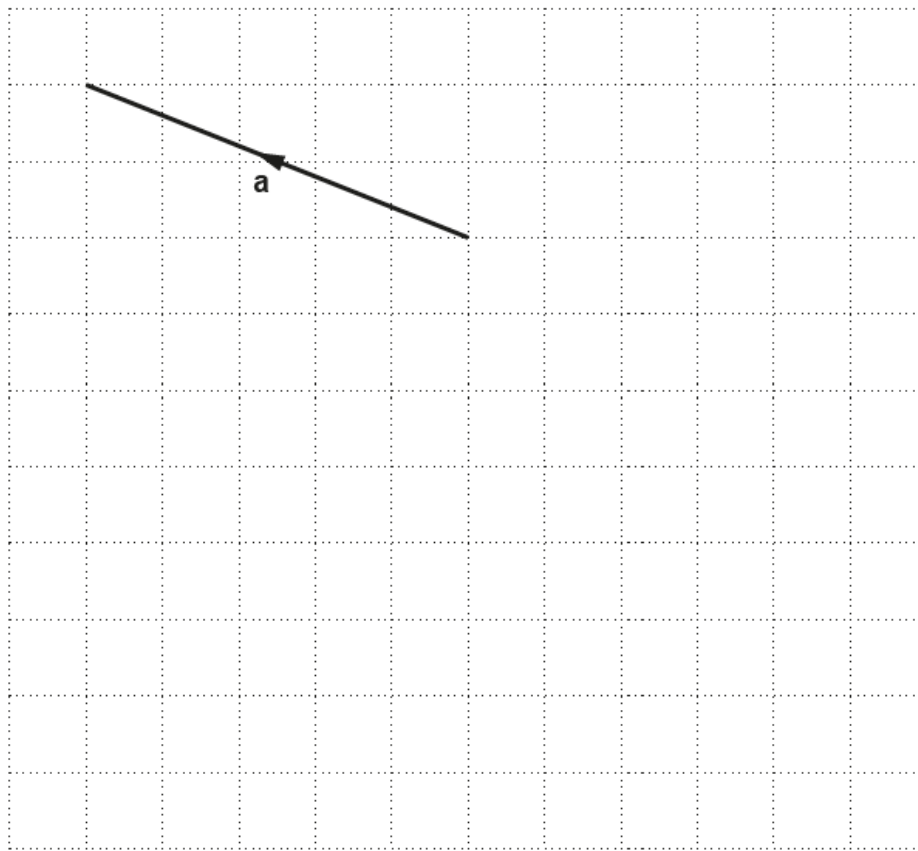


Congruence and similarities – 2022 GCSE Mathematics Foundation

1. June/2022/Paper_J560/01/No.15

Vector **a** is drawn on this grid.(a) Write vector **a** as a column vector.

(a) $\begin{pmatrix} \\ \end{pmatrix}$ [2]

(b) On the grid above, draw the vector $-\mathbf{a}$.

[1]

2. June/2022/Paper_J560/03/No.2

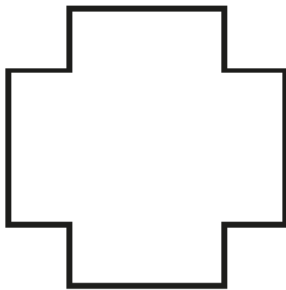
(a) Here is a shape.



On the diagram, draw the shape's two lines of symmetry.

[1]

(b) Here is another shape.



Write down the order of rotation symmetry of the shape.

(b) [1]

(c) (i) Sketch a quadrilateral that has exactly one line of symmetry.

[1]

(ii) Write down the mathematical name of your quadrilateral.

(c)(ii) [1]