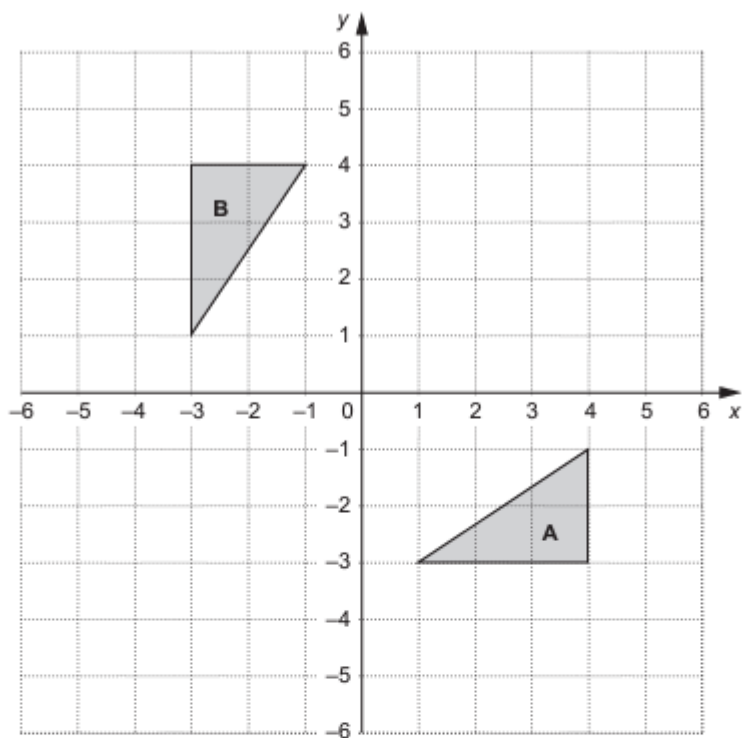


- 6 Triangles **A** and **B** are drawn on a coordinate grid.



- (a) Describe fully the **single** transformation that maps triangle **A** onto triangle **B**.

.....
..... [2]

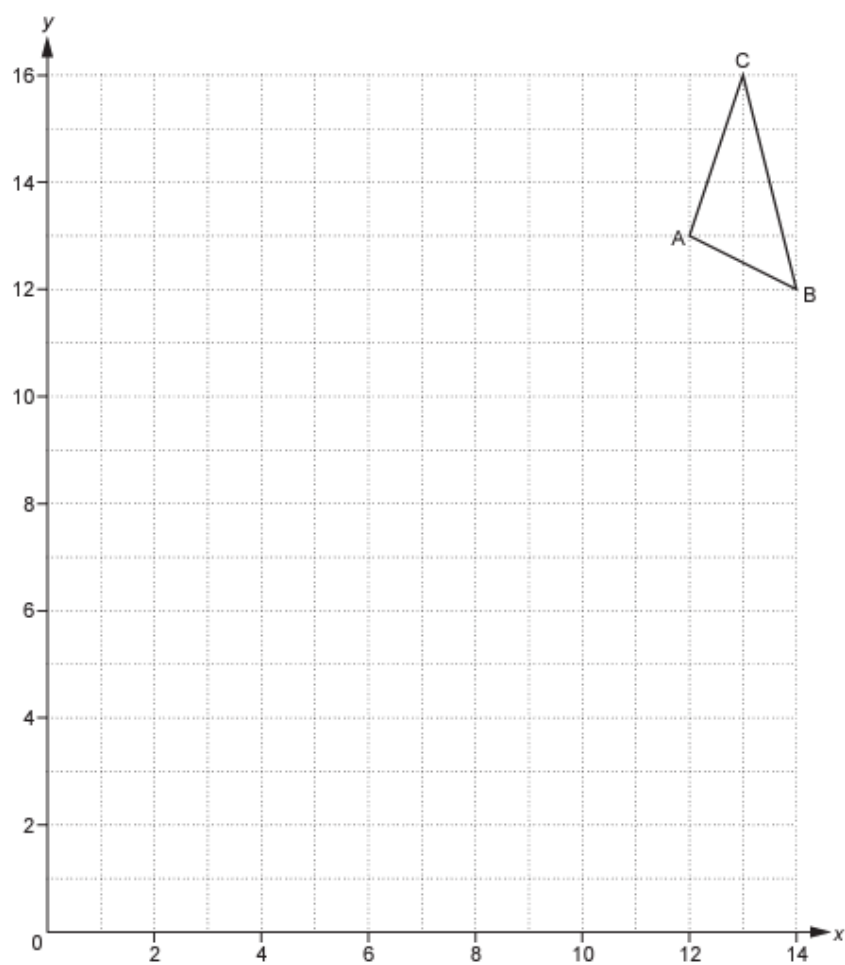
- (b) Triangle **A** can also be mapped onto triangle **B** using a combination of two transformations:

- a transformation **T**, followed by
- a reflection in the line $x = 0$.

Describe fully transformation **T**.

.....
..... [4]

17 A triangle has vertices A, B and C.



The triangle is enlarged with scale factor f and centre of enlargement E.

Vertex A maps to (6, 7).

Vertex B maps to (2, 9).

(a) Find the coordinates of the centre of enlargement, E.

(a) (..... ,) [2]

(b) Find the scale factor, f .

(b) [2]

(c) Vertex C maps to the point R.
Find the coordinates of R.

(c) (..... ,) [2]