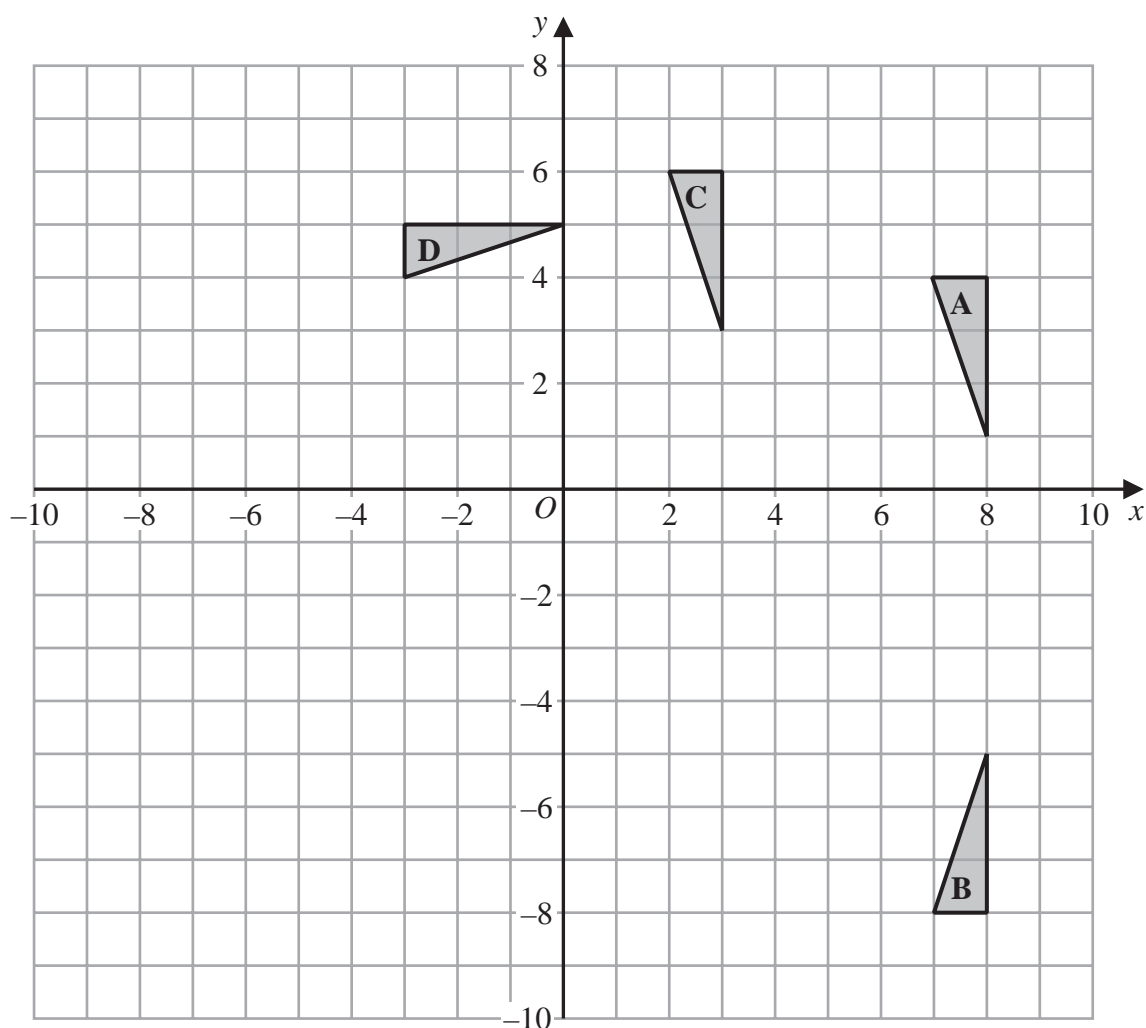


4



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Triangles  $A$ ,  $B$ ,  $C$  and  $D$  are drawn on the grid above.

Describe fully the single transformation that maps

- (a) triangle  $A$  onto triangle  $B$  (2)
- (b) triangle  $A$  onto triangle  $C$  (2)
- (c) triangle  $A$  onto triangle  $D$  (3)

Triangle  $E$  is the image of triangle  $A$  under an enlargement with scale factor  $-2$  and centre of enlargement  $(4, 0)$

- (d) On the grid, draw and label triangle  $E$  (2)

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**Question 4 continued**

Handwriting practice area with horizontal dotted lines.

**(Total for Question 4 is 9 marks)**

