



EXAM PAPERS PRACTICE

GCSE OCR Math J560

Transformation

Enlargement

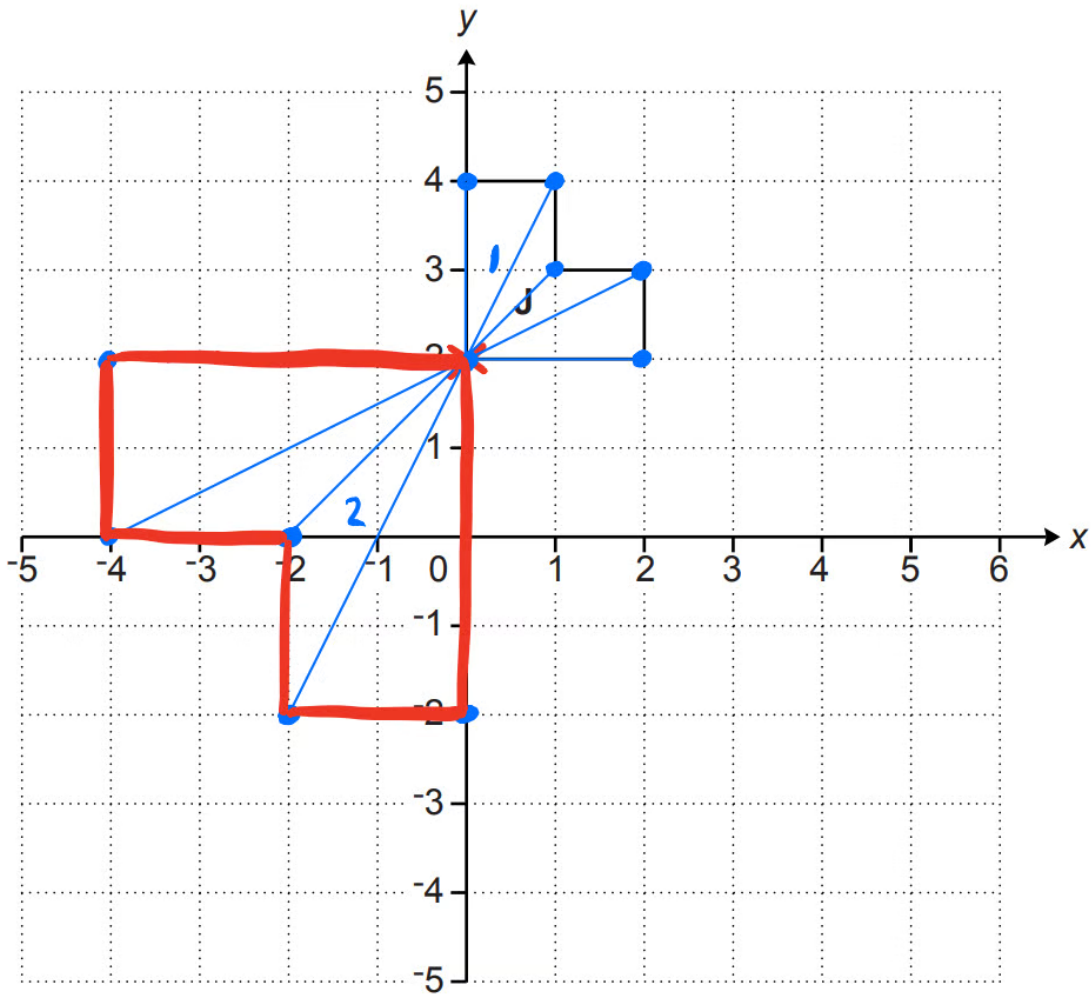
Answers

*"We will help you to
achieve A Star "*



Answer 1

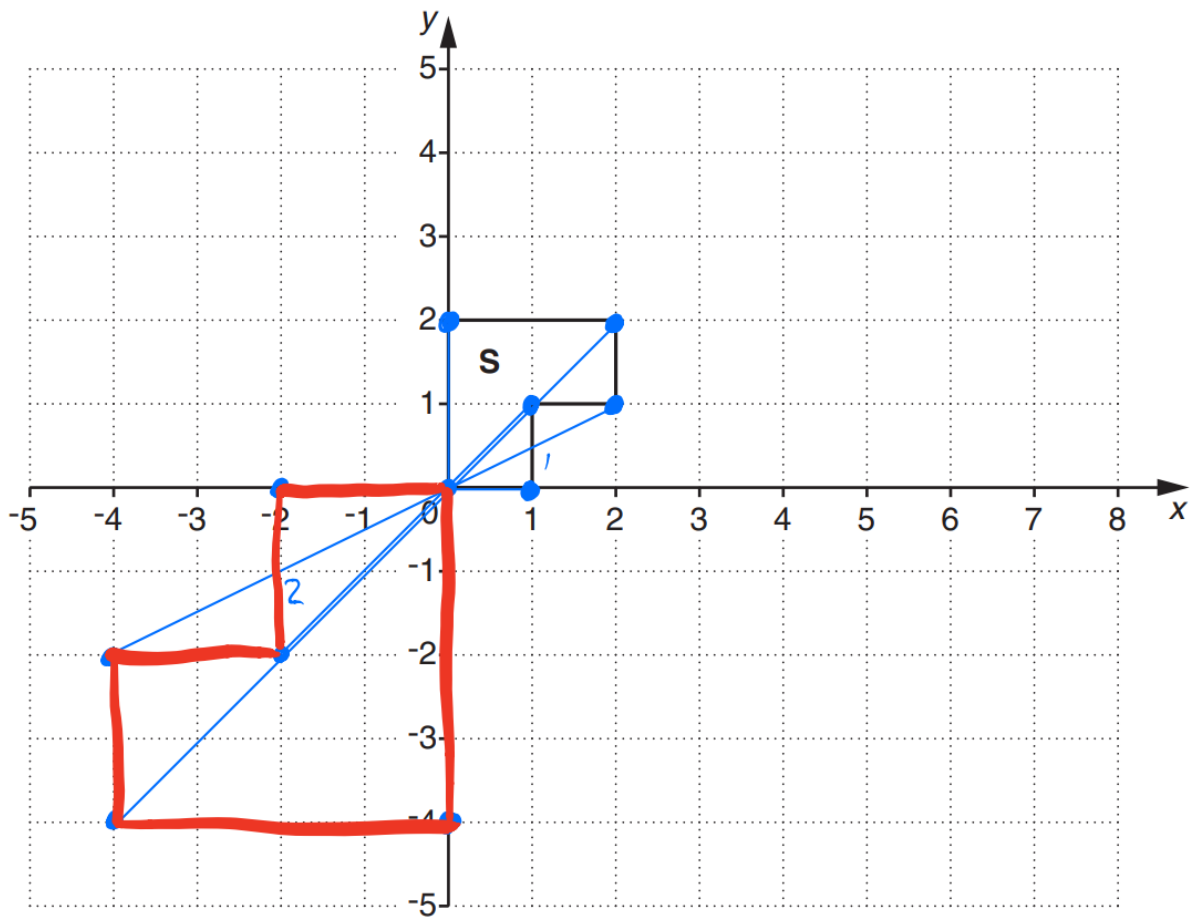
Enlarge shape **J** using scale factor -2 and centre $(0, 2)$.
Label your image **K**.





Answer 2

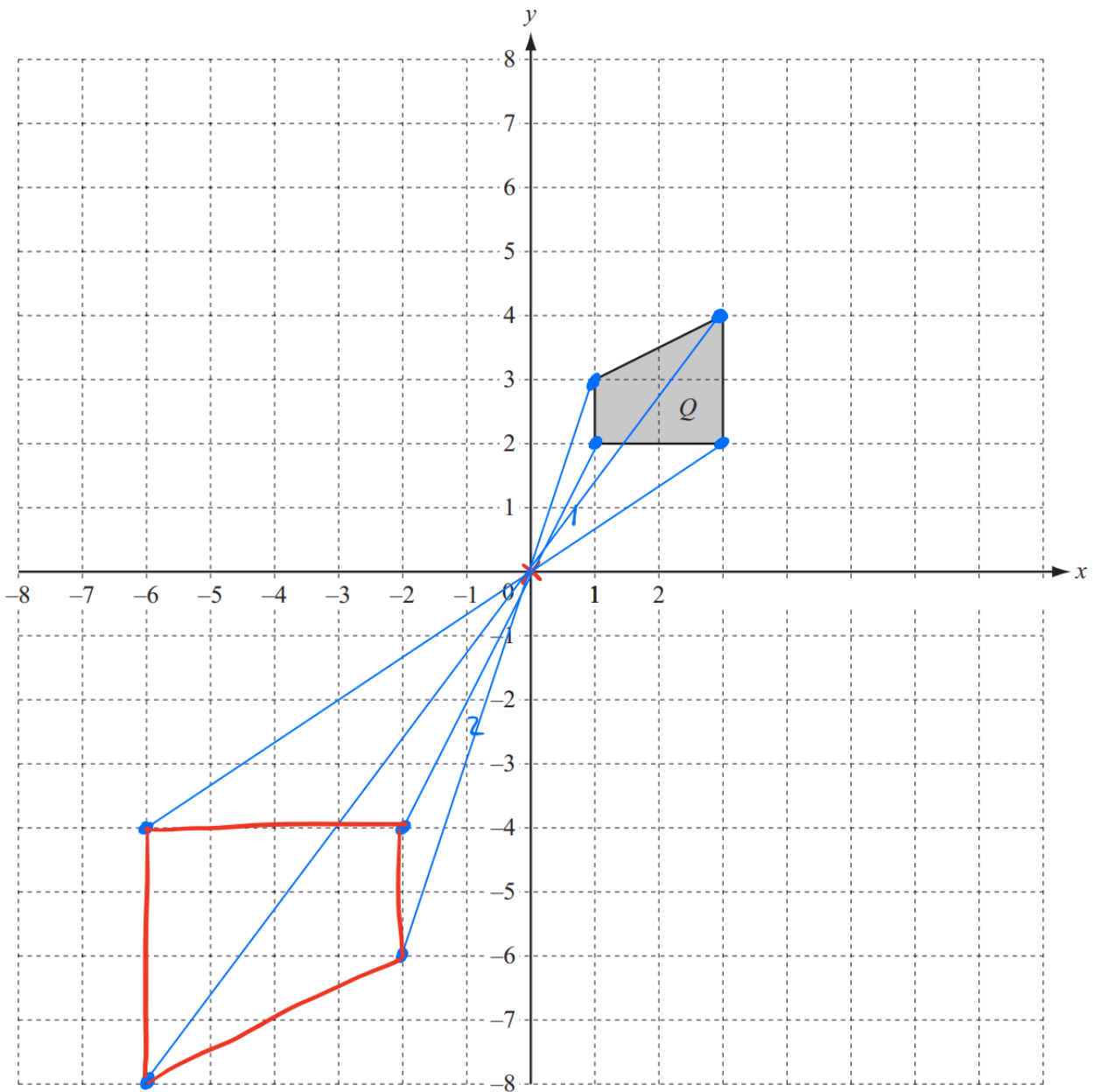
Shape **S** is shown on the grid.



Enlarge shape **S** with scale factor -2 and centre $(0, 0)$.
Label your image **E**.



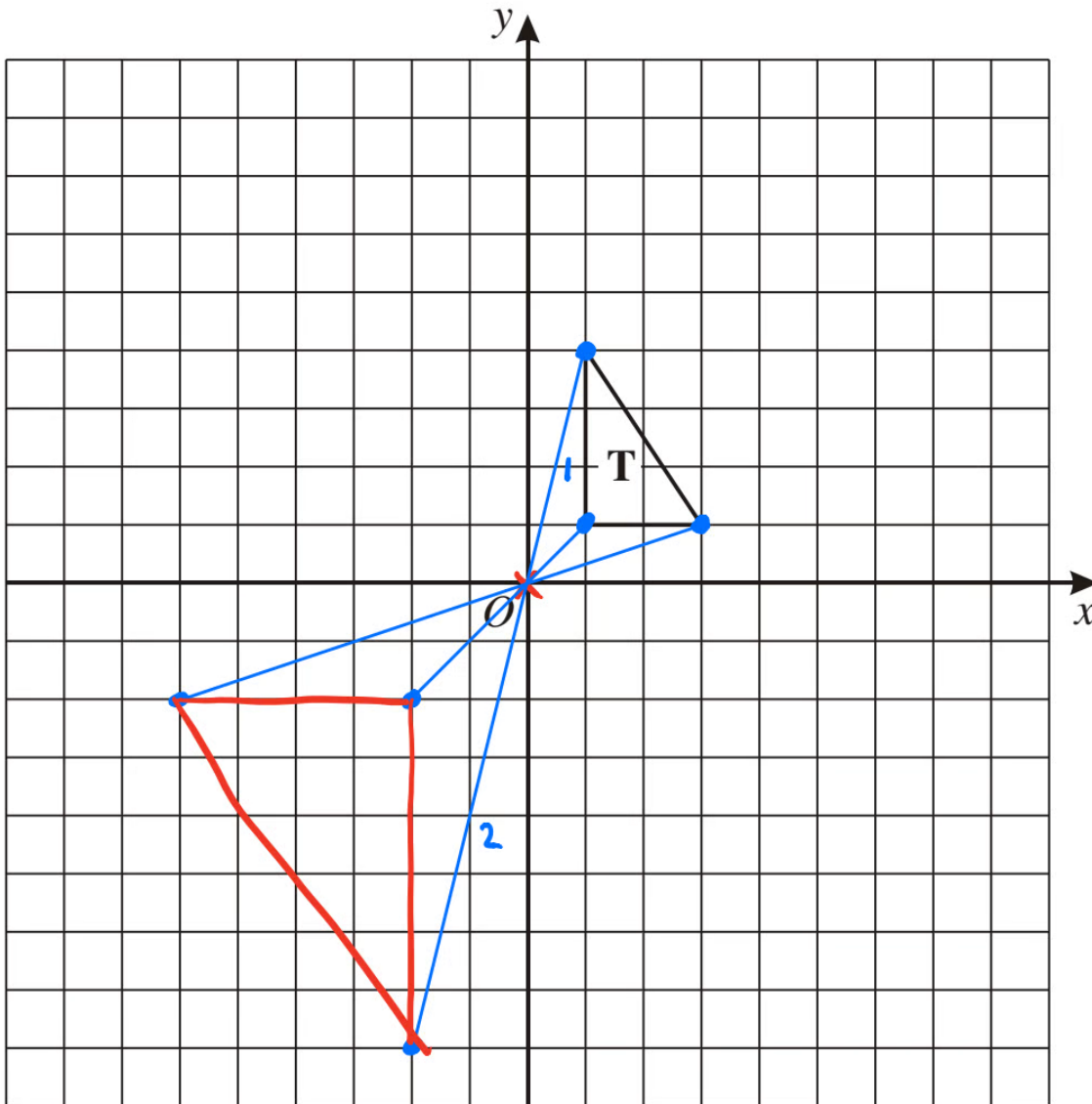
Answer 3



Draw the enlargement of shape Q , centre $(0, 0)$, scale factor -2 .



Answer 4

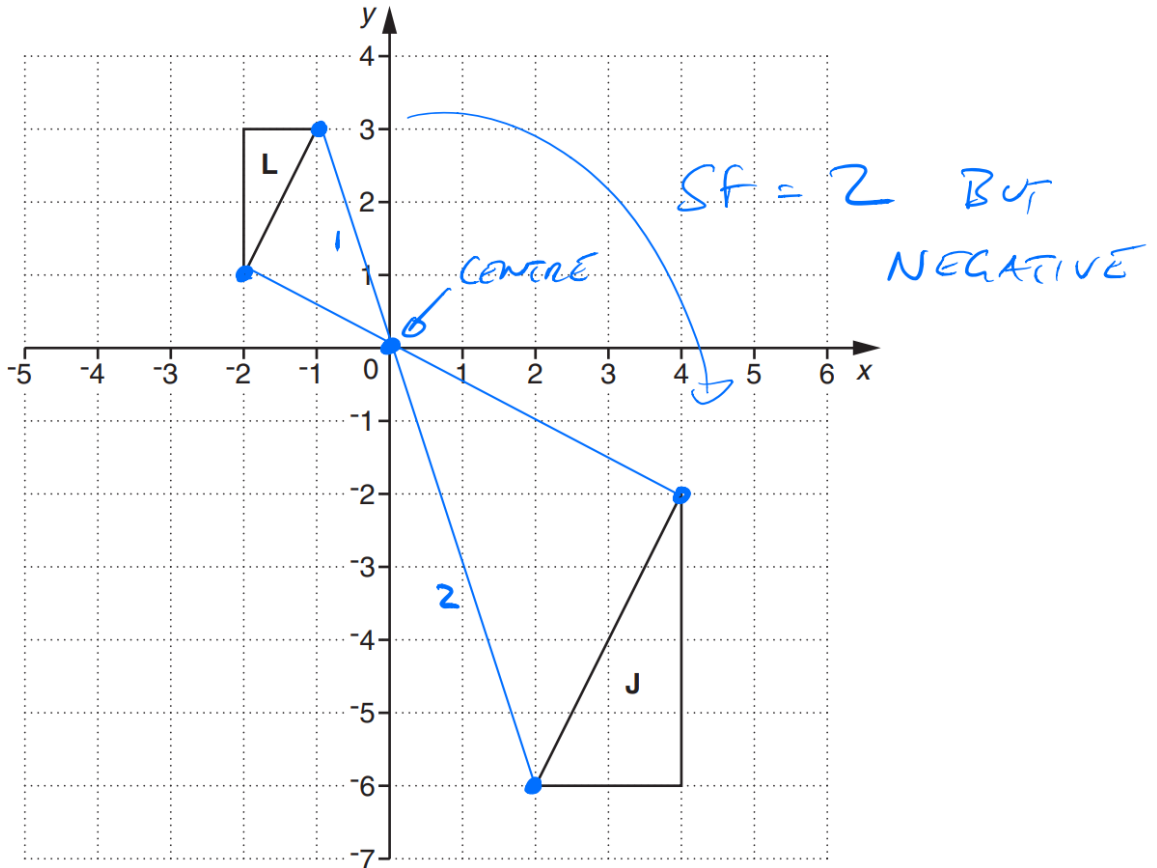


Enlarge triangle T , scale factor -2 , centre O .



Answer 5

Triangles **J** and **L** are drawn on the grid below.

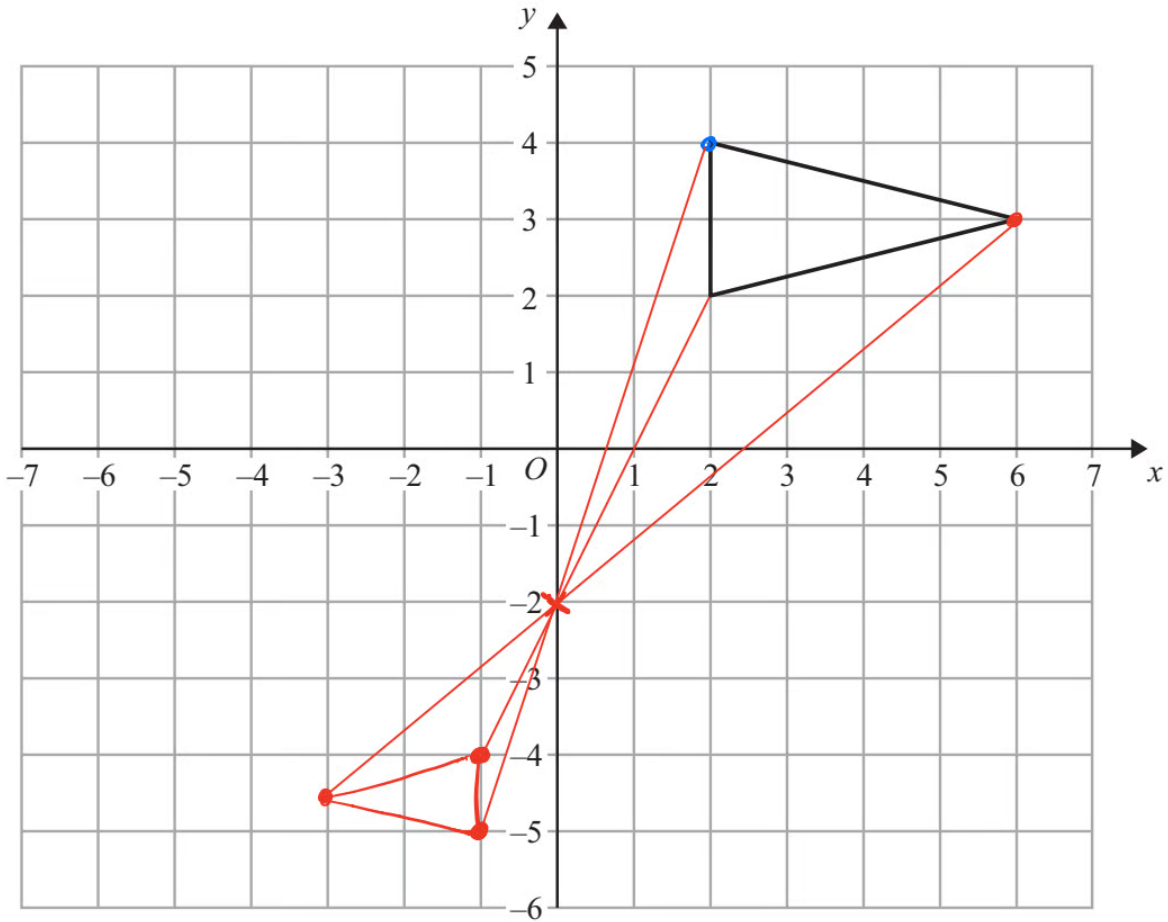


What is the scale factor of the enlargement that maps triangle **L** onto triangle **J**?

-2



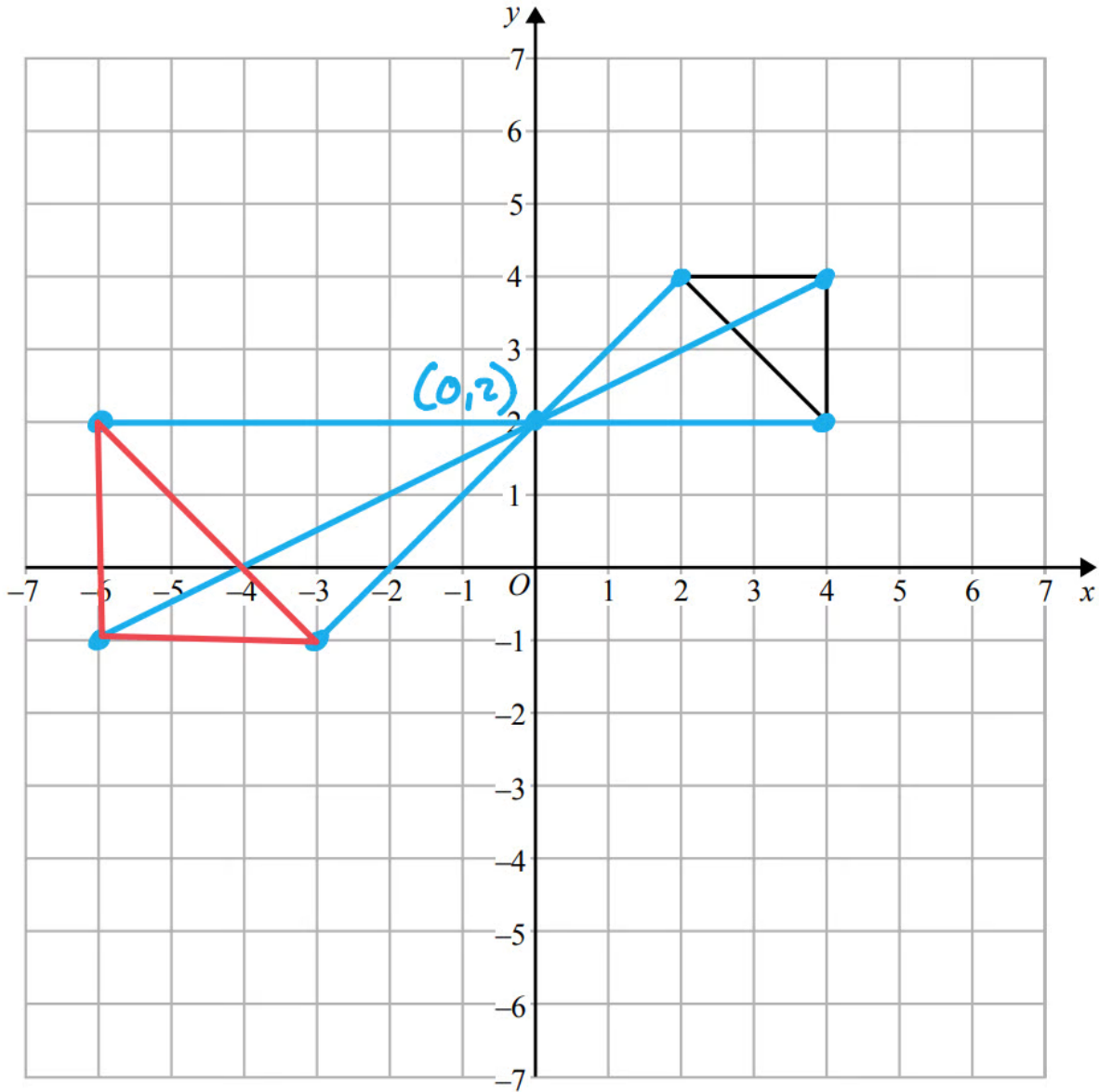
Answer 6



On the grid, enlarge the triangle by scale factor $-\frac{1}{2}$, centre $(0, -2)$.



Answer 7

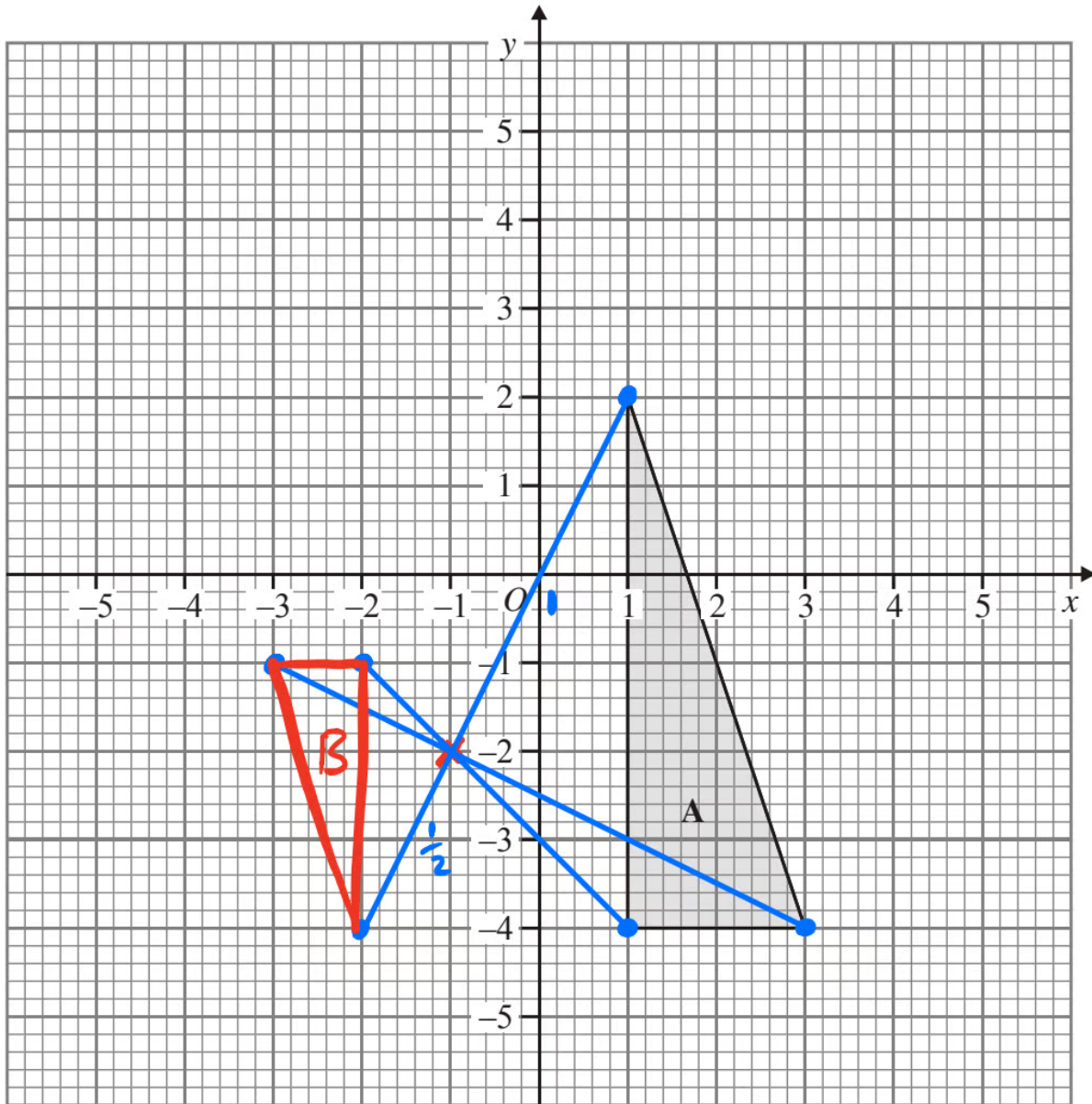


On the grid, enlarge the triangle by scale factor $-1\frac{1}{2}$, centre $(0, 2)$

↓
 $-3\frac{1}{2}$



Answer 8

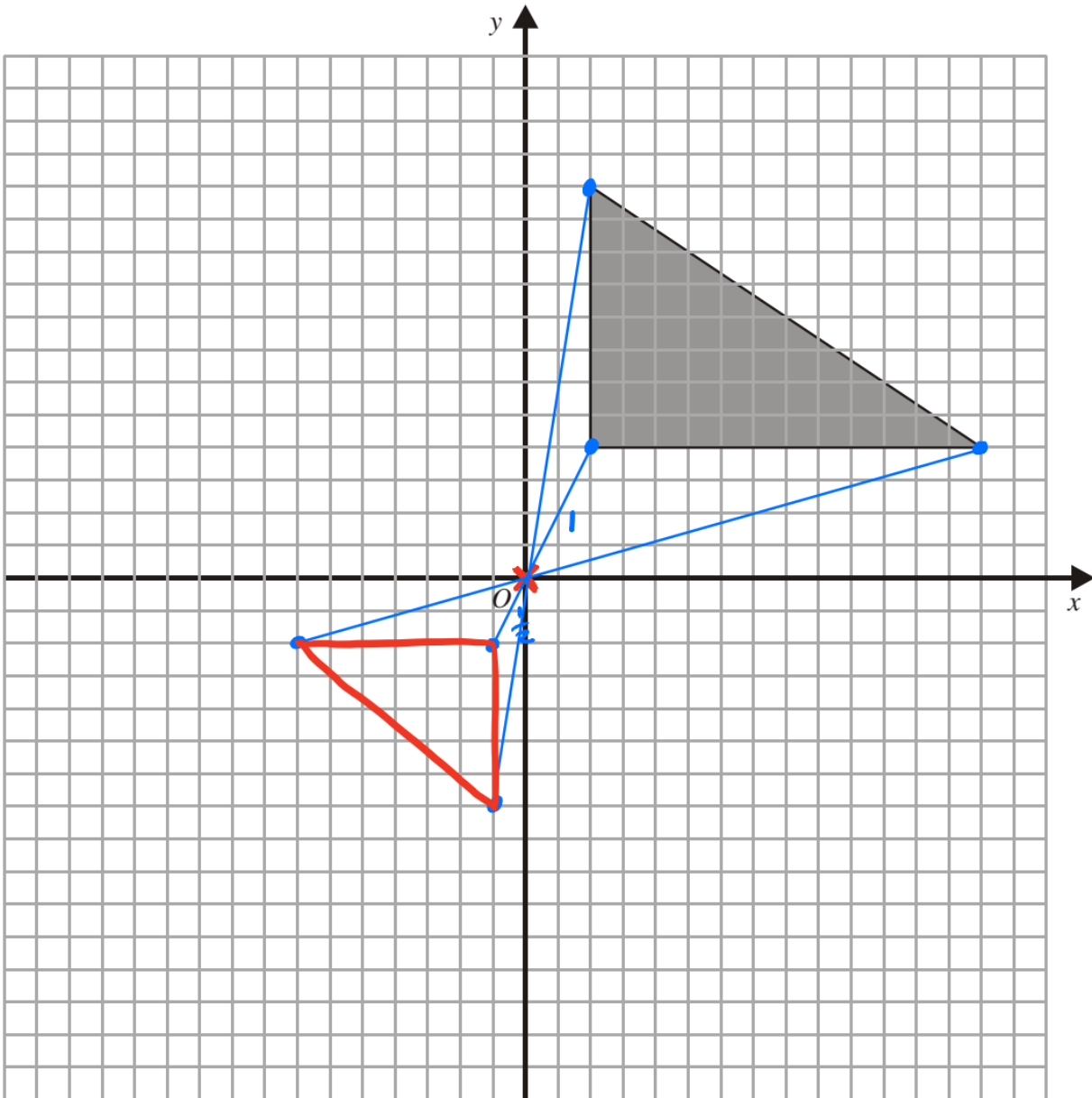


Enlarge triangle **A** by scale factor $-\frac{1}{2}$, centre $(-1, -2)$.

Label your triangle **B**.



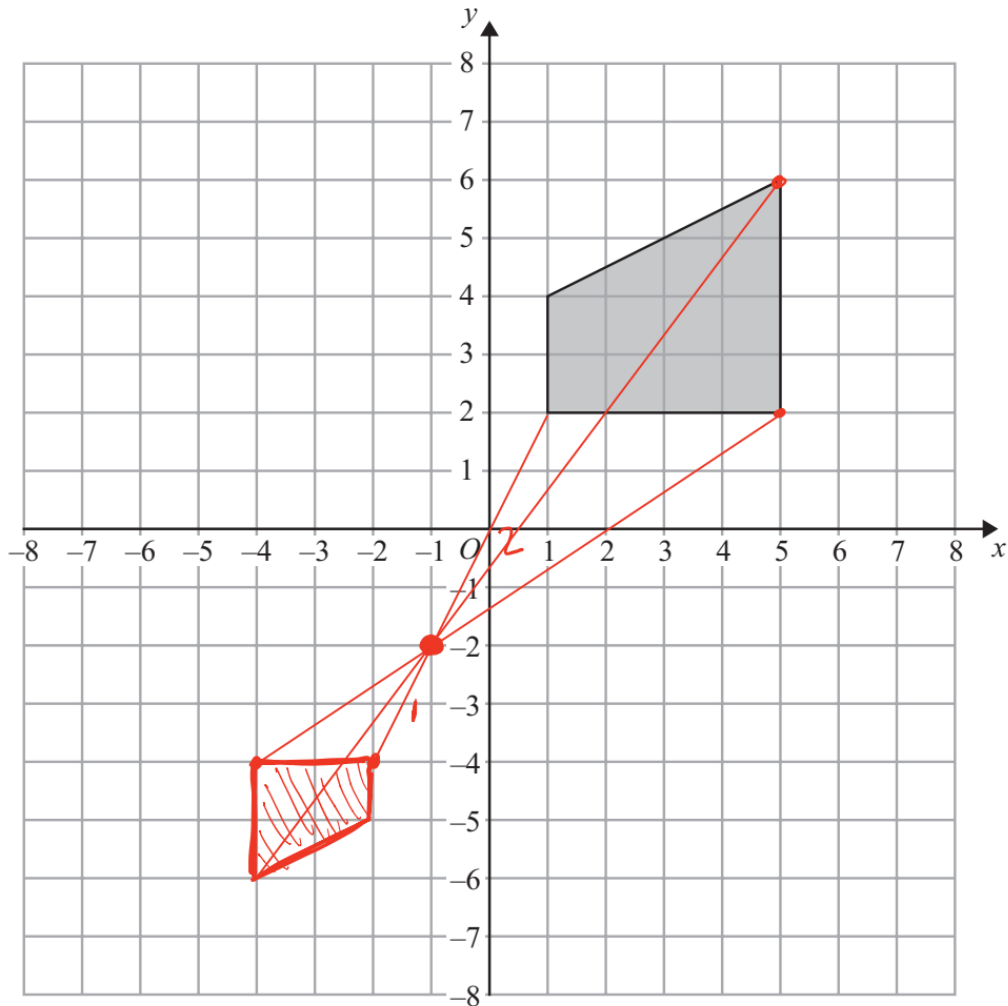
Answer 9



Enlarge the triangle by a scale factor of $-\frac{1}{2}$, centre O



Answer 10

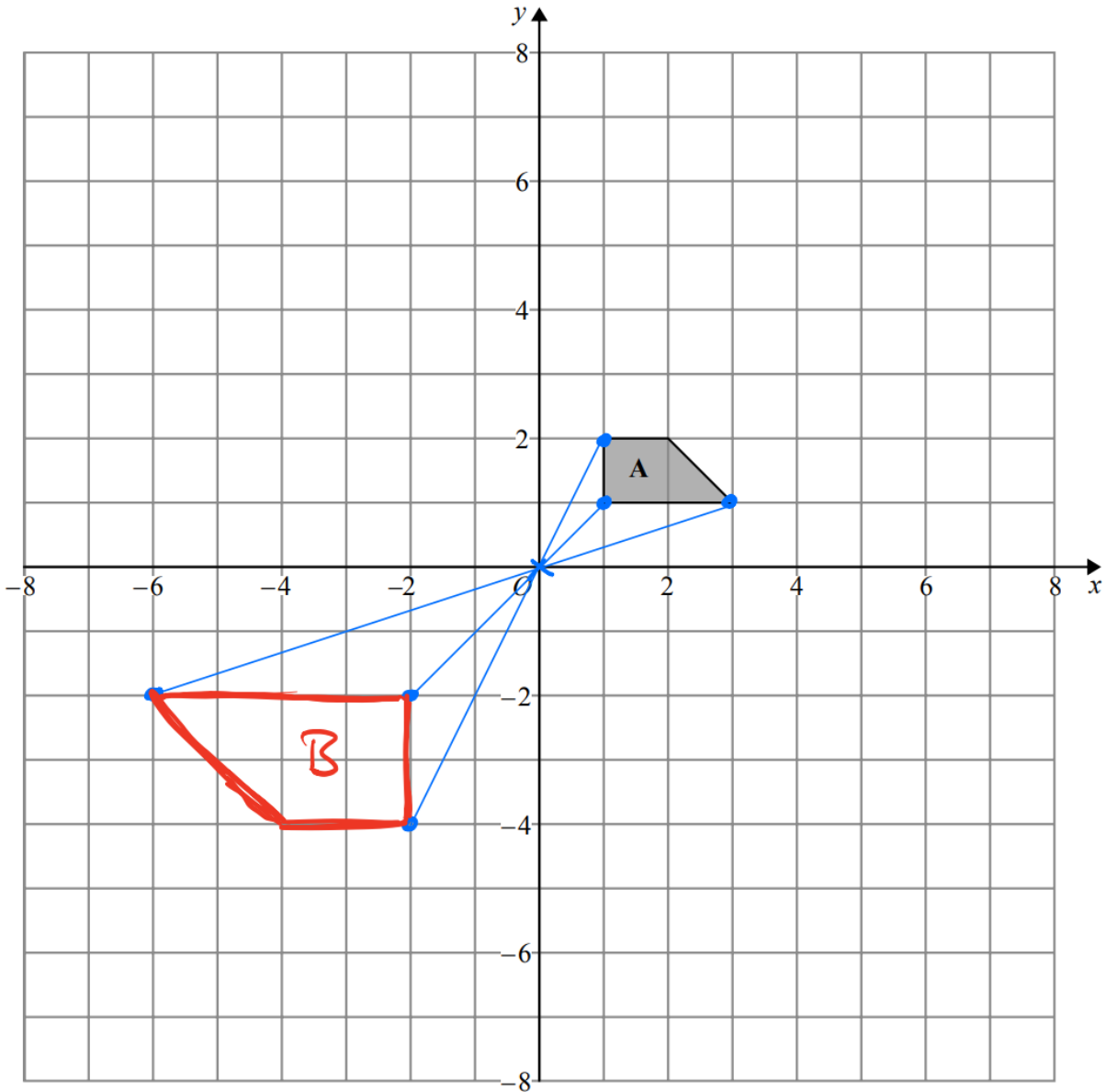


Enlarge the shaded shape by scale factor $-\frac{1}{2}$ with centre $(-1, -2)$.

GO THROUGH THE CENTRE



Answer 11



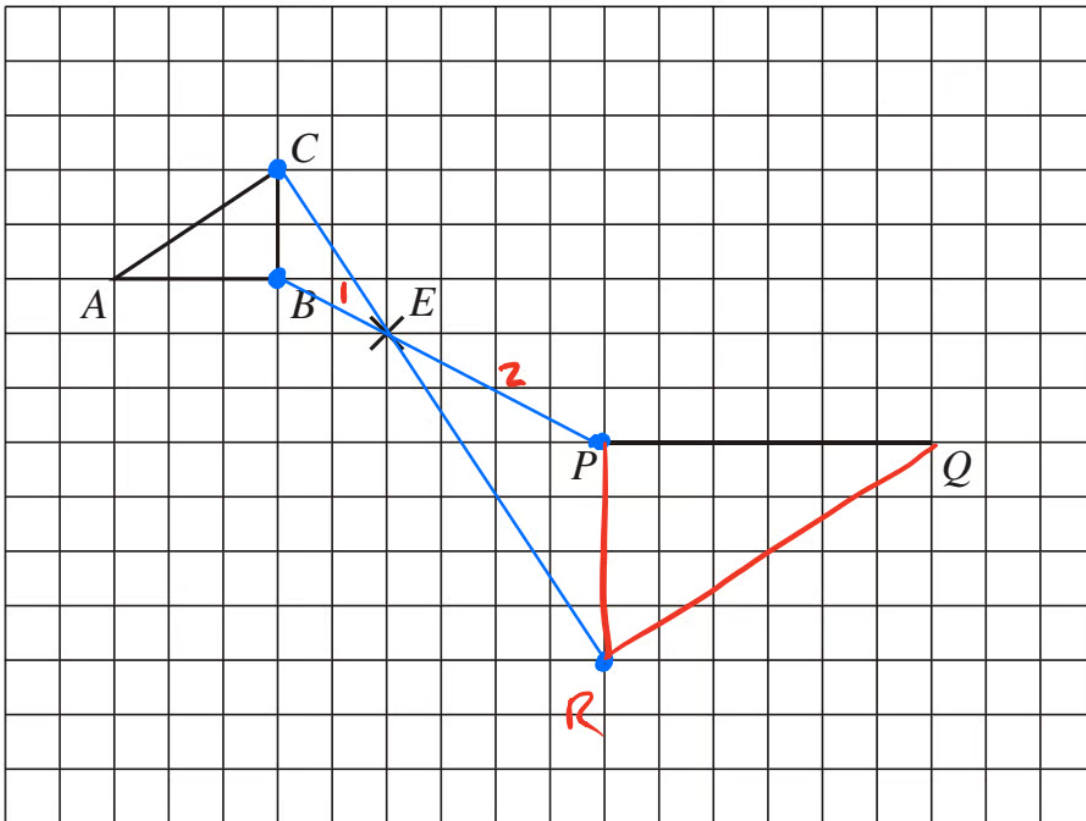
(b) Describe fully the single transformation that will map shape B onto shape A.

ENLARGEMENT, SCALE FACTOR $-\frac{1}{2}$, CENTRE (0,0)



Answer 12

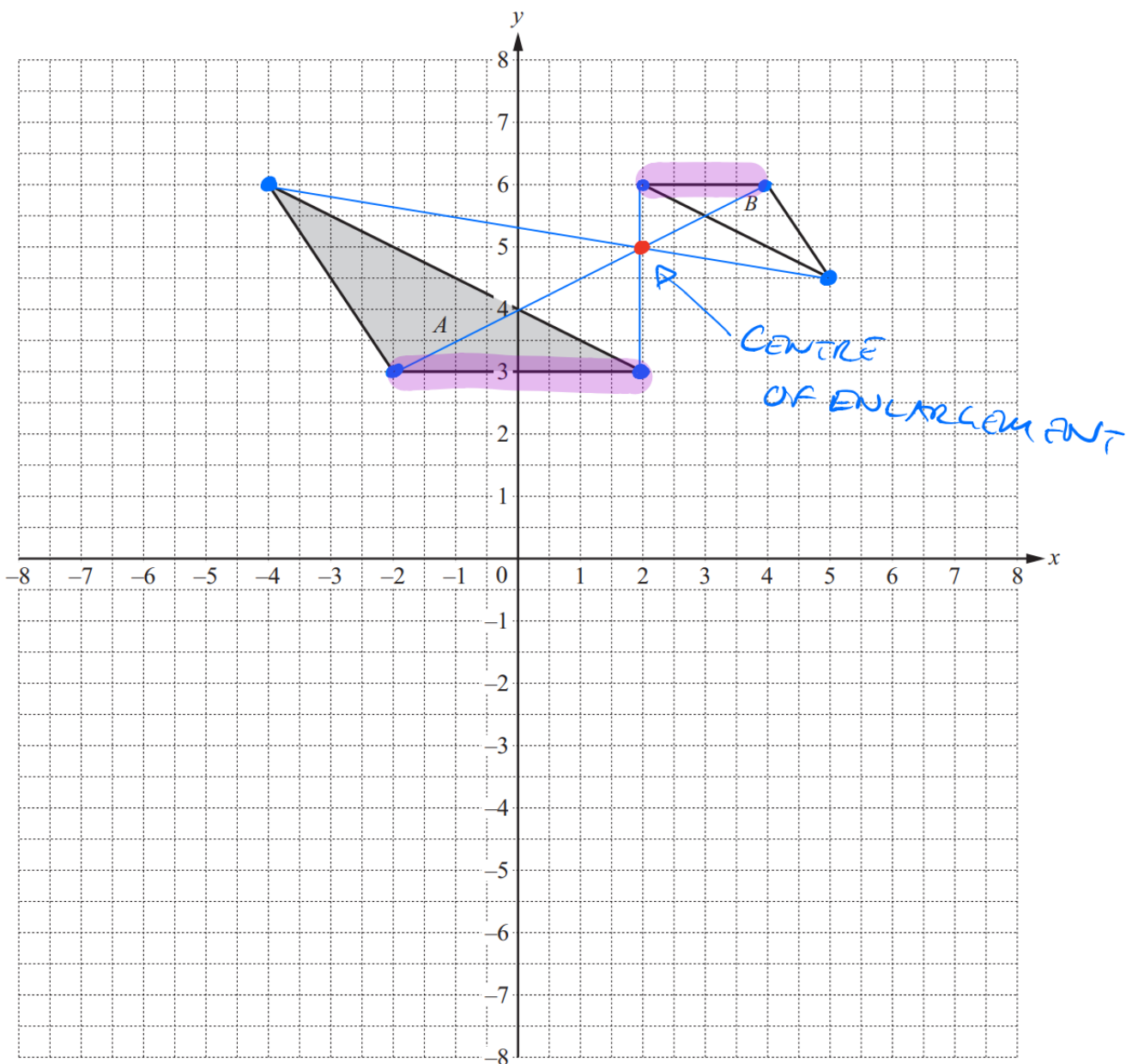
The triangle ABC is to be enlarged, using E as the centre, to give the triangle PQR . The line PQ is the image of the line BA .



(b) Complete the triangle PQR .



Answer 13

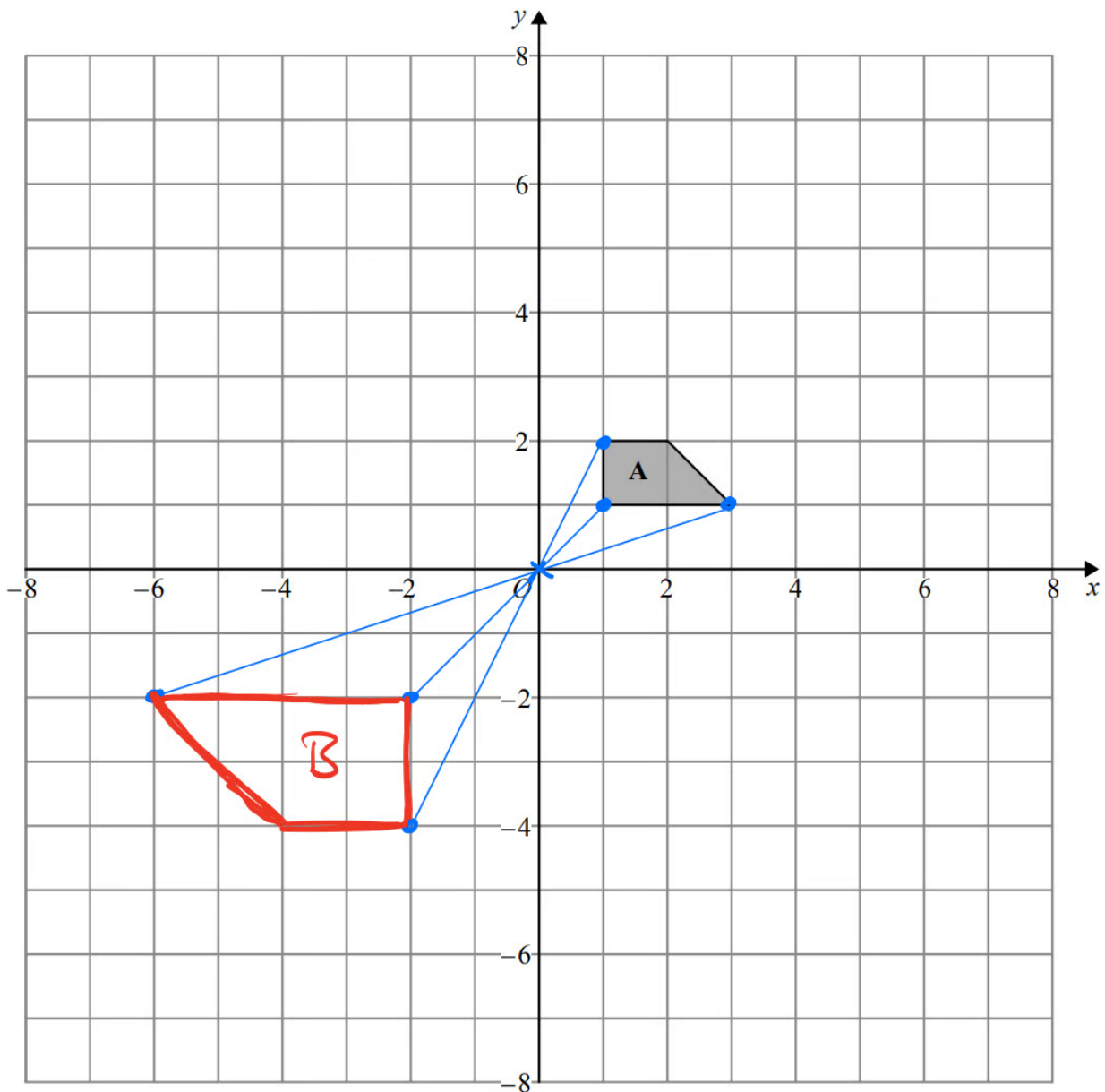


Describe fully the **single** transformation that maps triangle *A* onto triangle *B*.

ENLARGEMENT, CENTRE (2, 5)
SCALE FACTOR $-\frac{1}{2}$



Answer 14

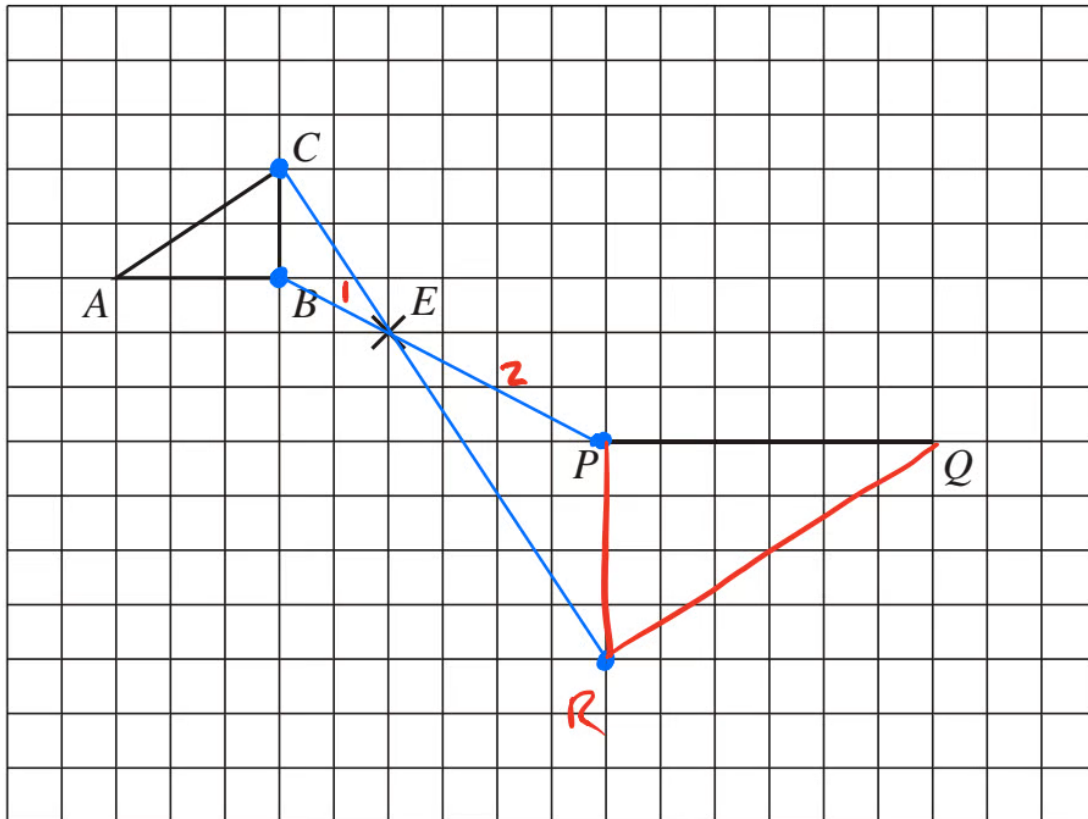


- (a) Enlarge shape **A** by scale factor -2 , centre $(0, 0)$
Label your image **B**.



Answer 15

The triangle ABC is to be enlarged, using E as the centre, to give the triangle PQR . The line PQ is the image of the line BA .



(a) Write down the scale factor of the enlargement.

-2