Name:

Exam Style Questions

Enlargements: Negative Scale Factors

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

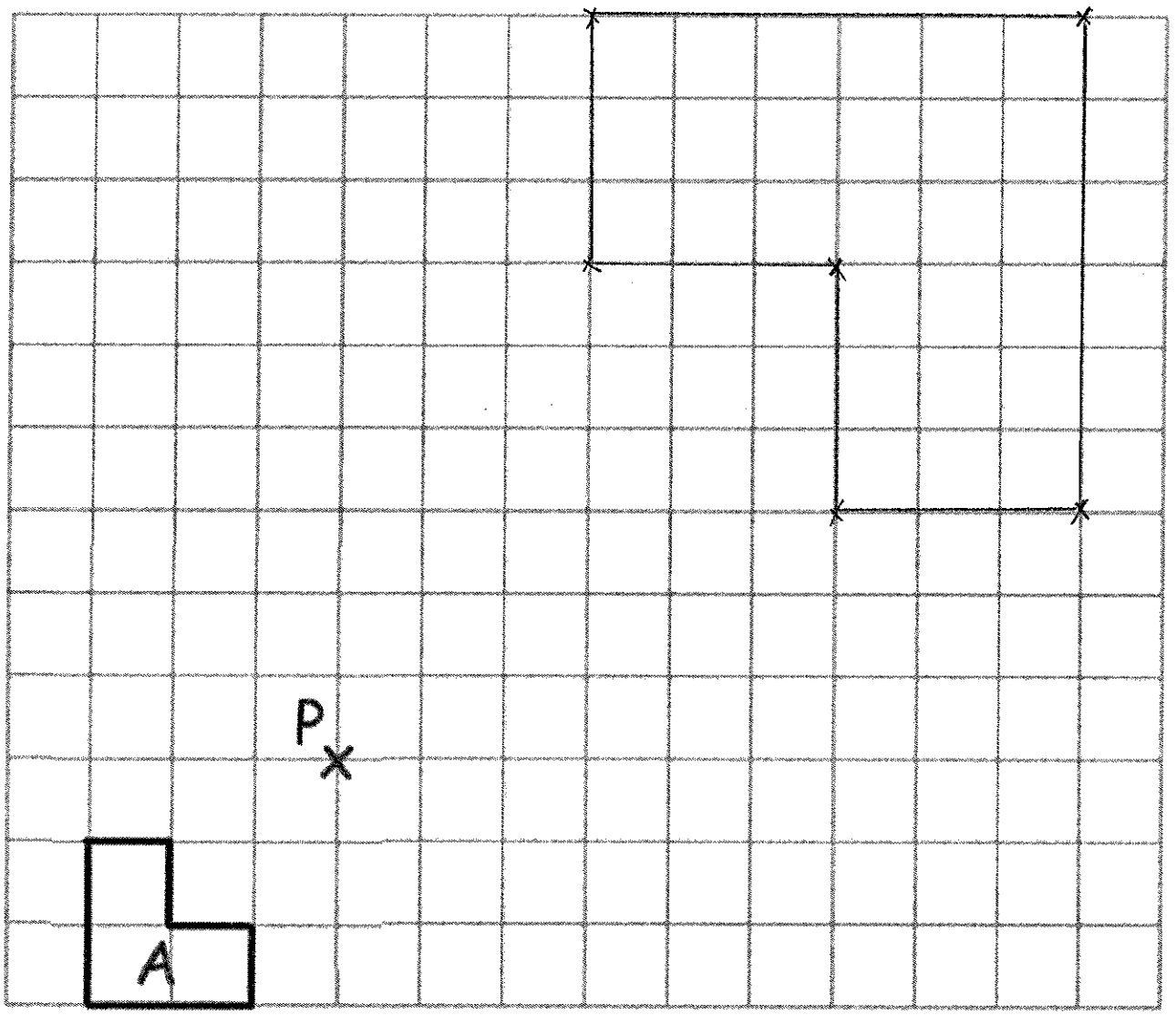
1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary

Video 108

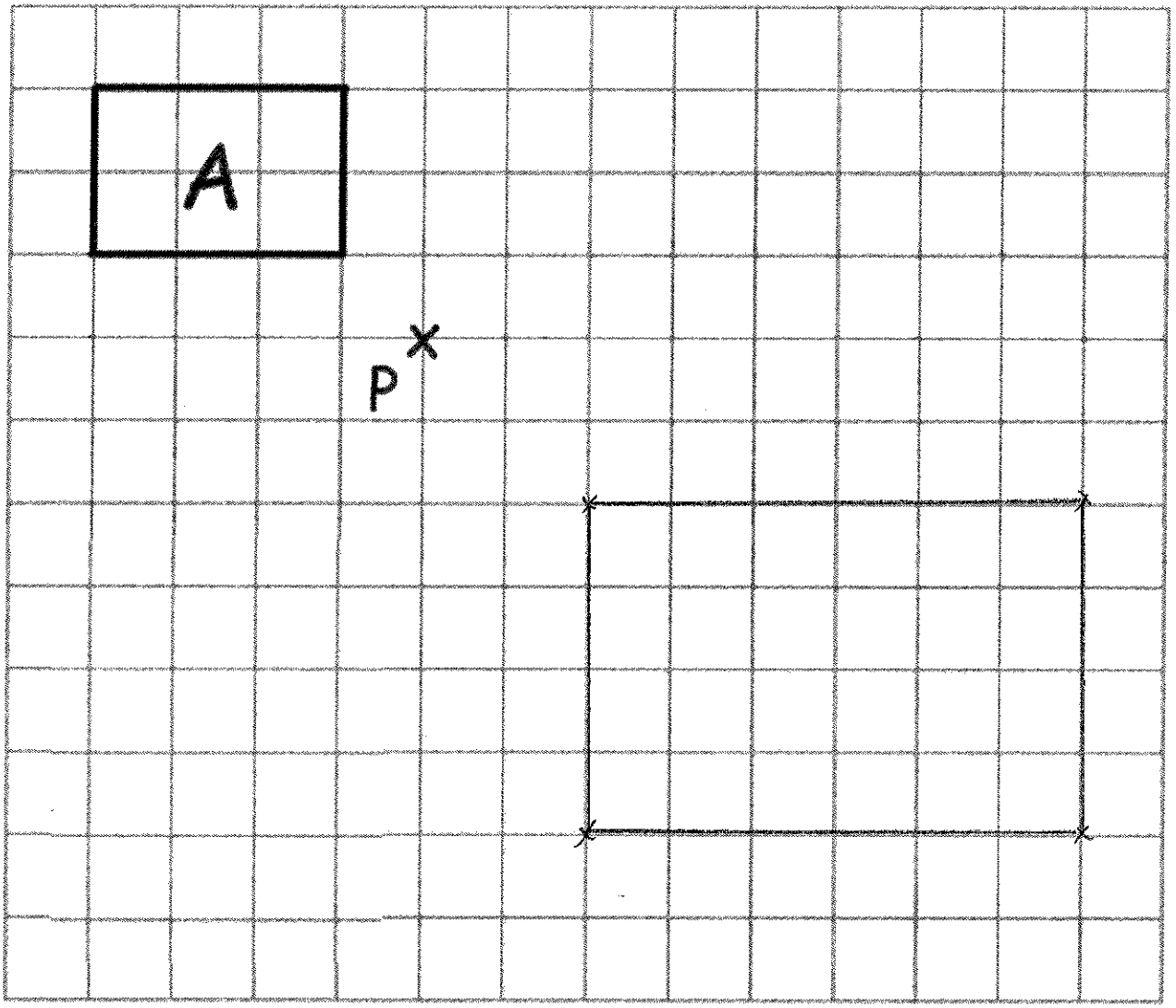
1.



Enlarge shape A by scale factor –3, using the point P as centre of enlargement.

(3)

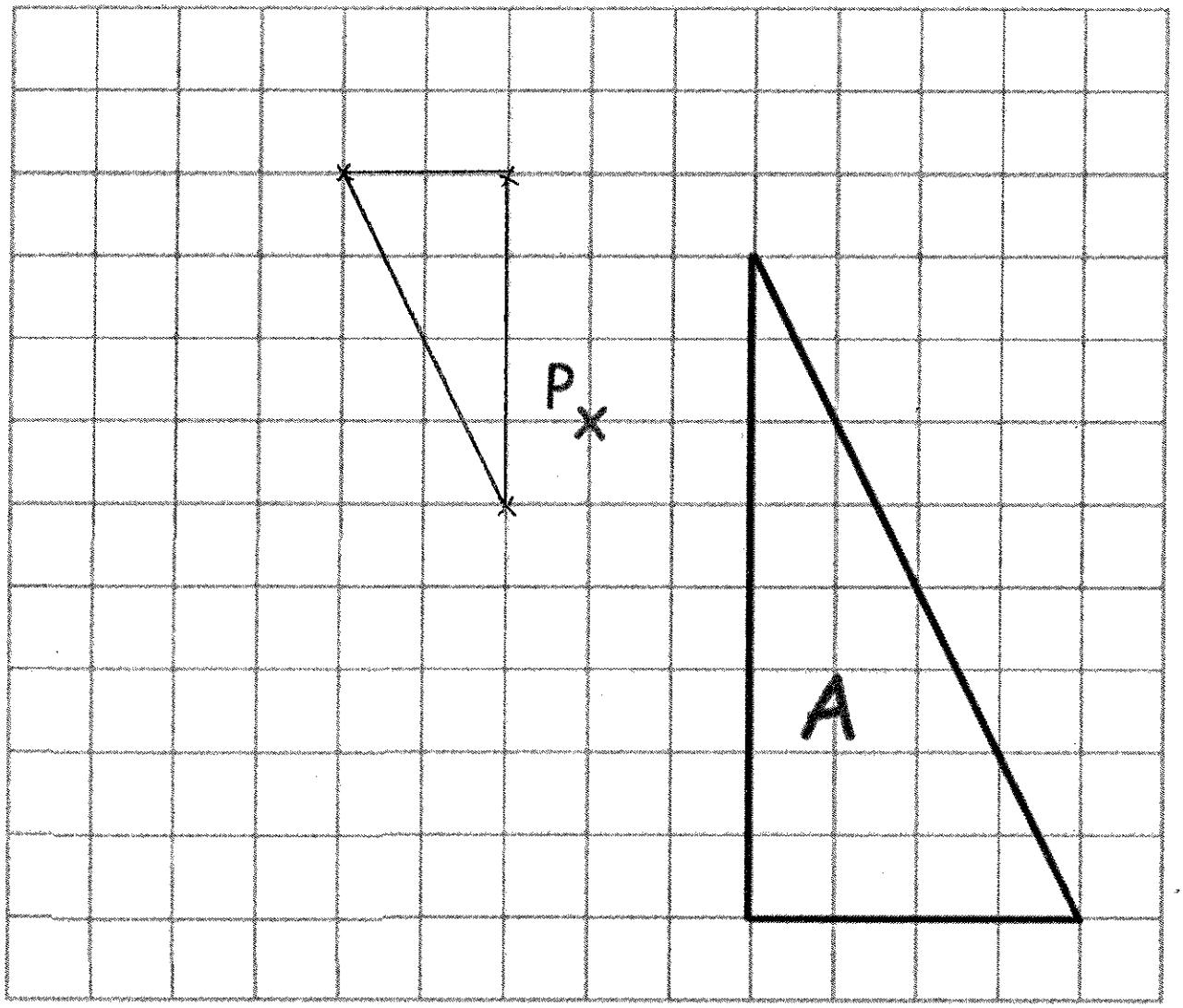
2.



Enlarge shape A by scale factor –2, using the point P as centre of enlargement.

(3)

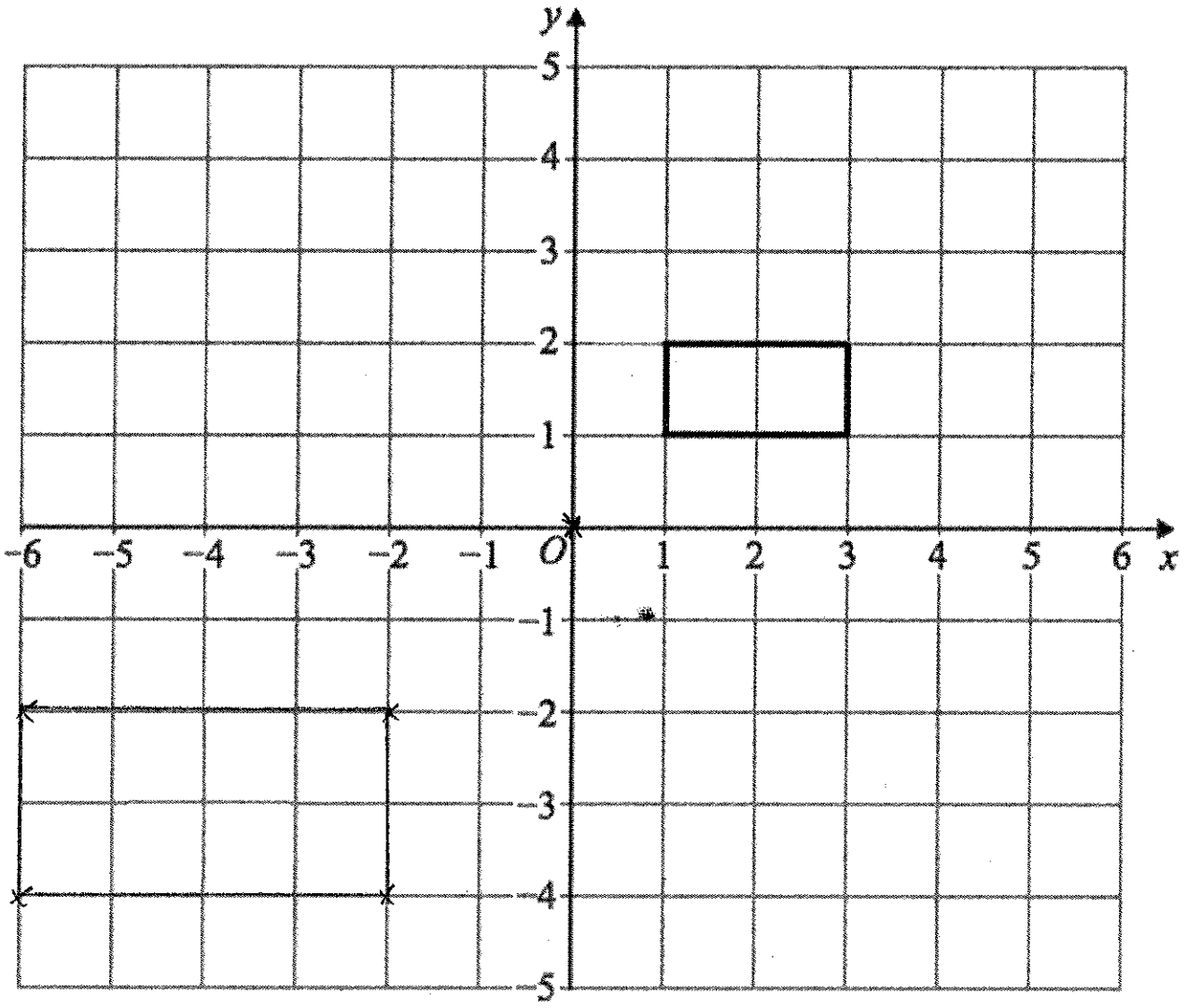
3.



Enlarge shape A by scale factor $-\frac{1}{2}$, using the point P as centre of enlargement.

(3)

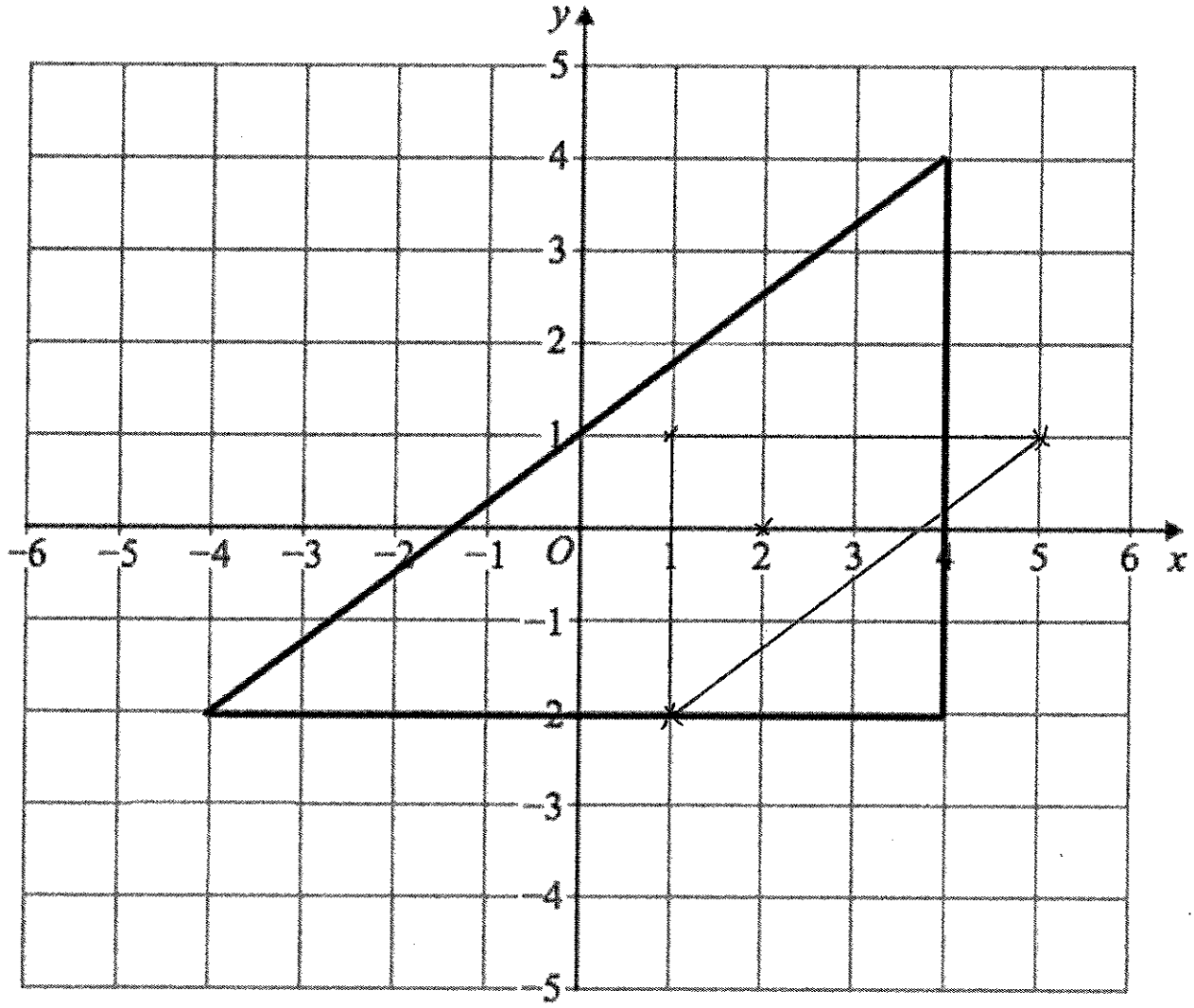
4. Shown below is a rectangle drawn on a coordinate grid.



Enlarge the rectangle by scale factor –2, using the origin as centre of enlargement.

(3)

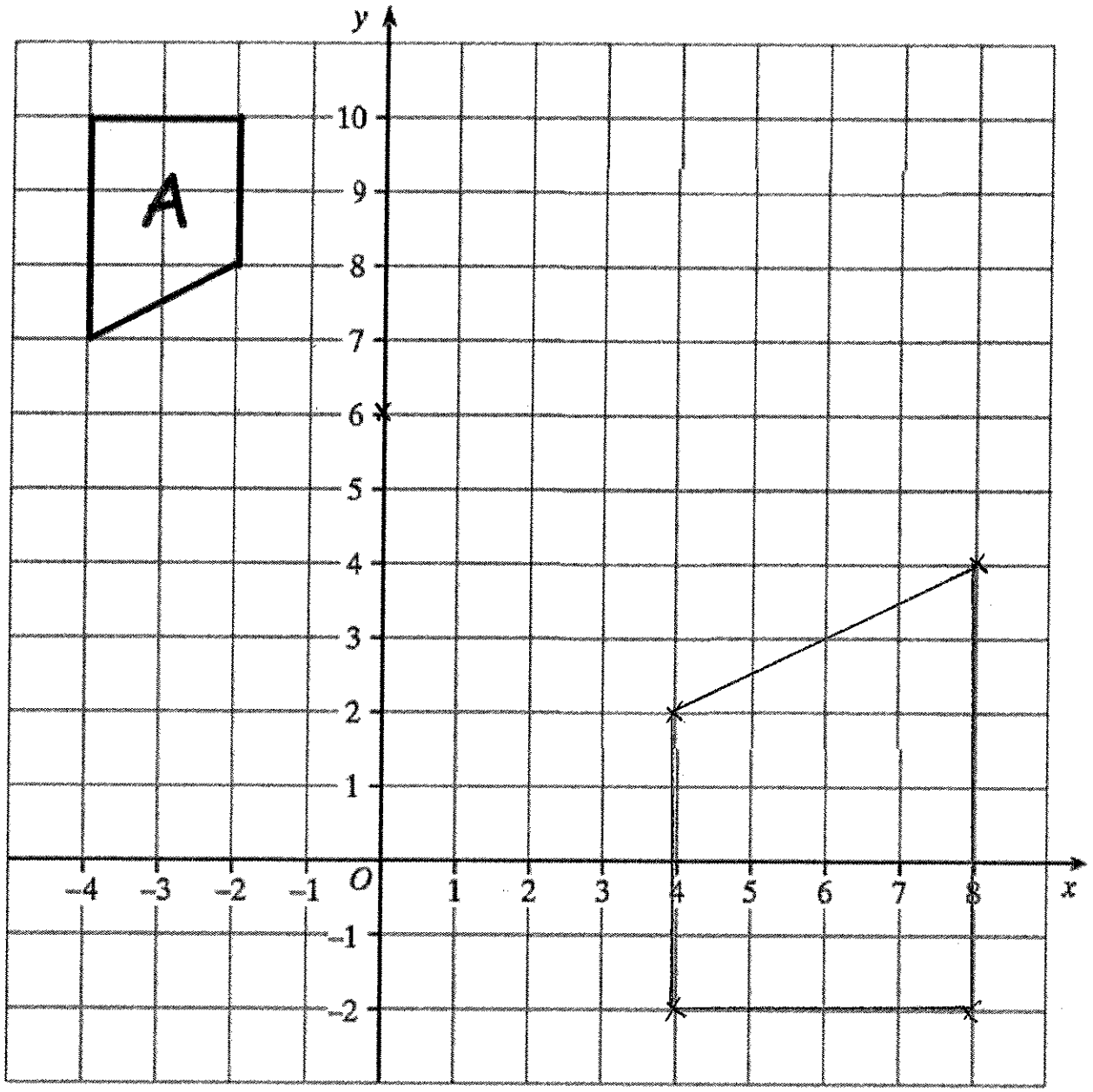
5.



Enlarge the triangle by scale factor –½, using centre of enlargement (2, 0)

(3)

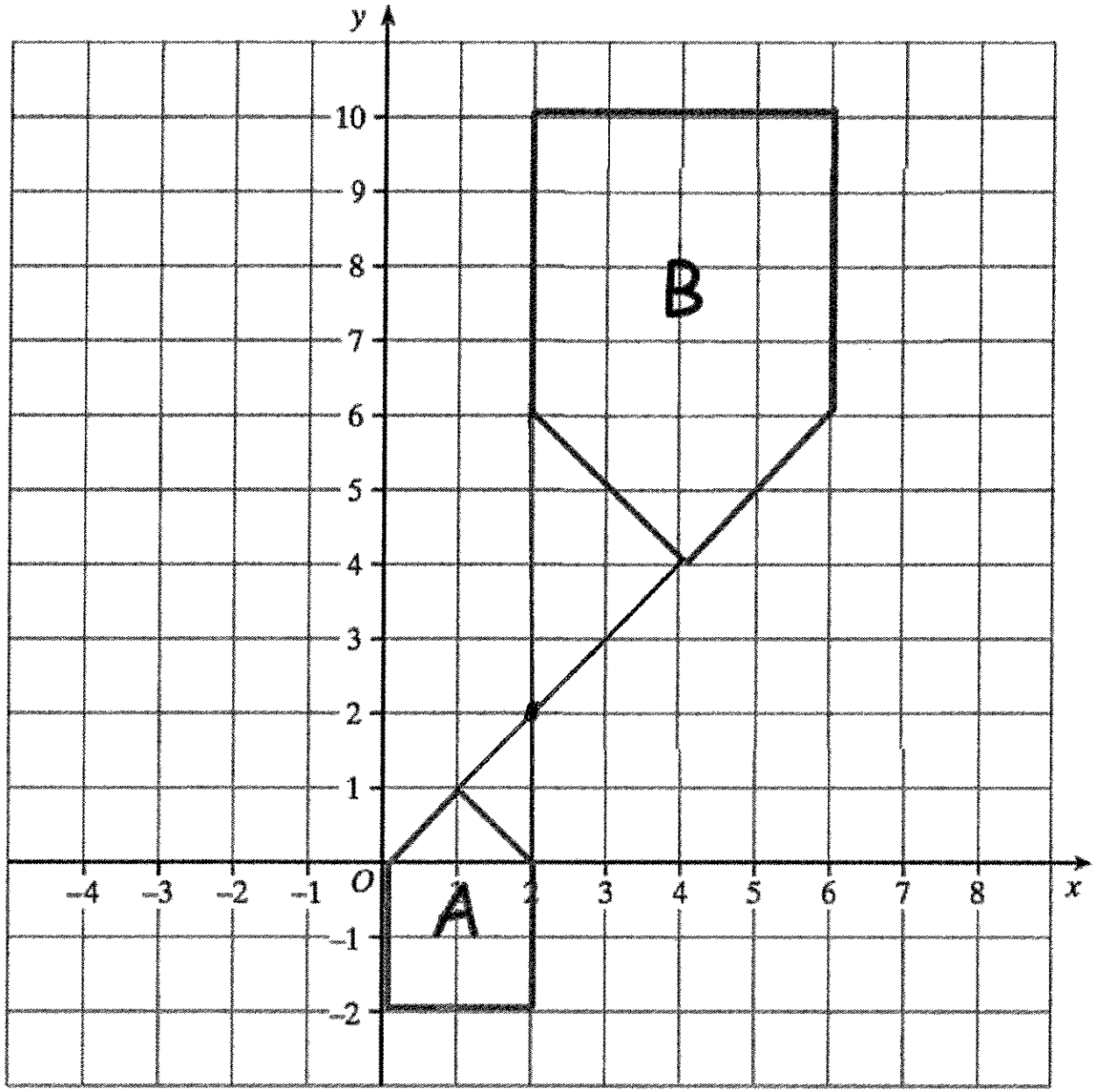
6.



Enlarge the triangle by scale factor –2, using centre of enlargement (0, 6)

(3)

7.

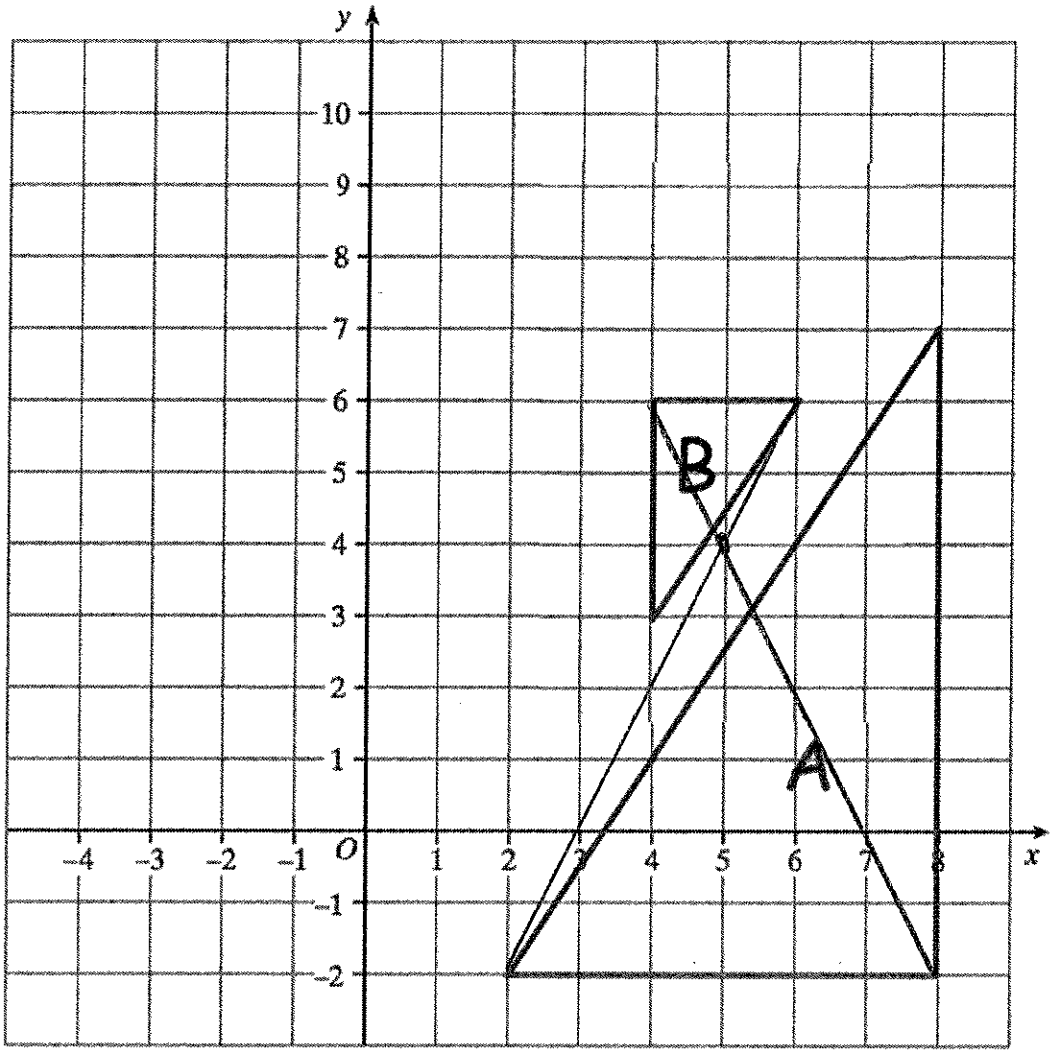


Describe fully the single transformation that maps shape A onto shape B.

Enlargement with scale factor -2, centre of enlargement (2, 2)

(2)

8.



Describe fully the single transformation that maps shape A onto shape B.

Enlargement with scale factor -3, centre of enlargement (5, 4)

(2)