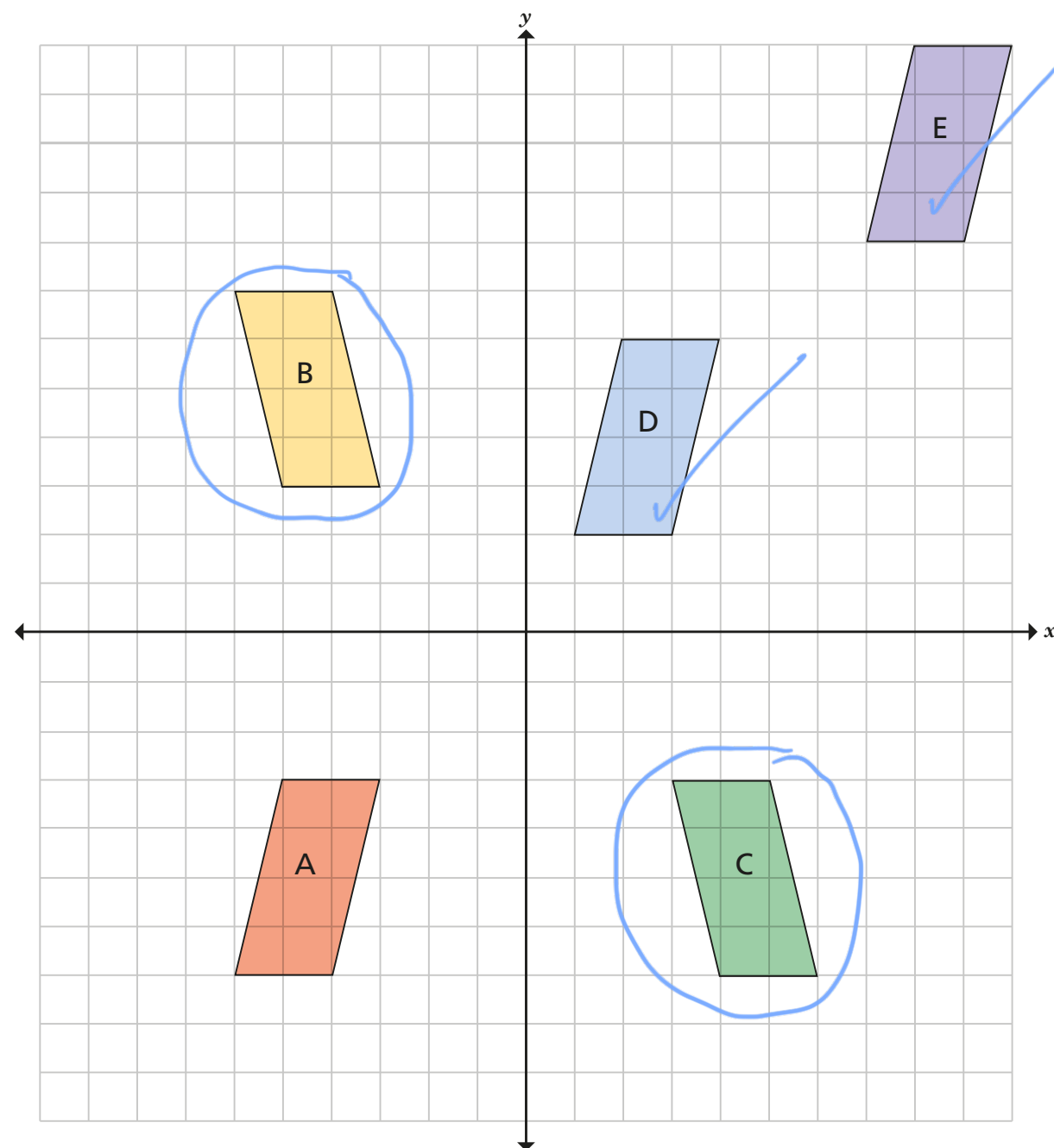


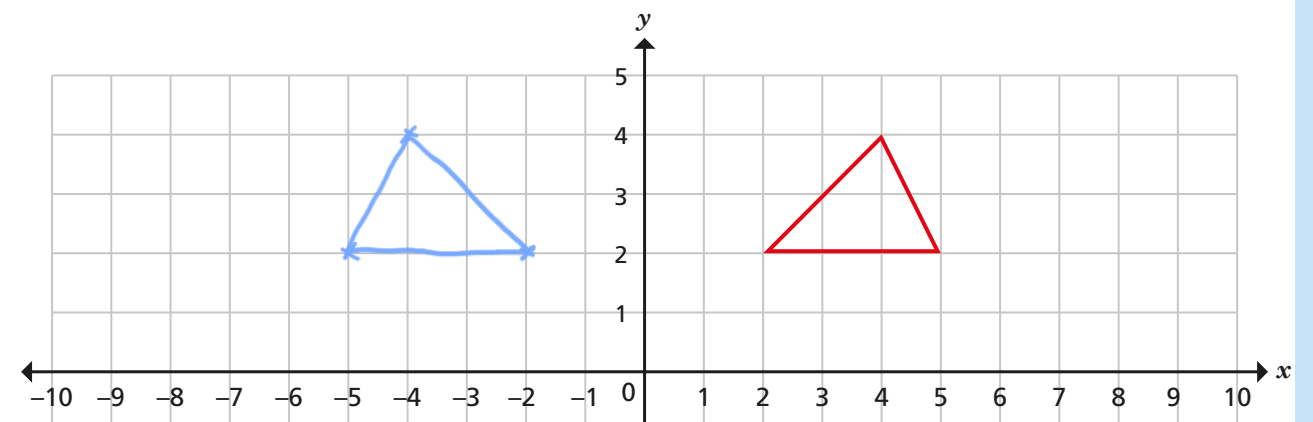
# Reflections

- 1 Five parallelograms are shown on the coordinate grid.

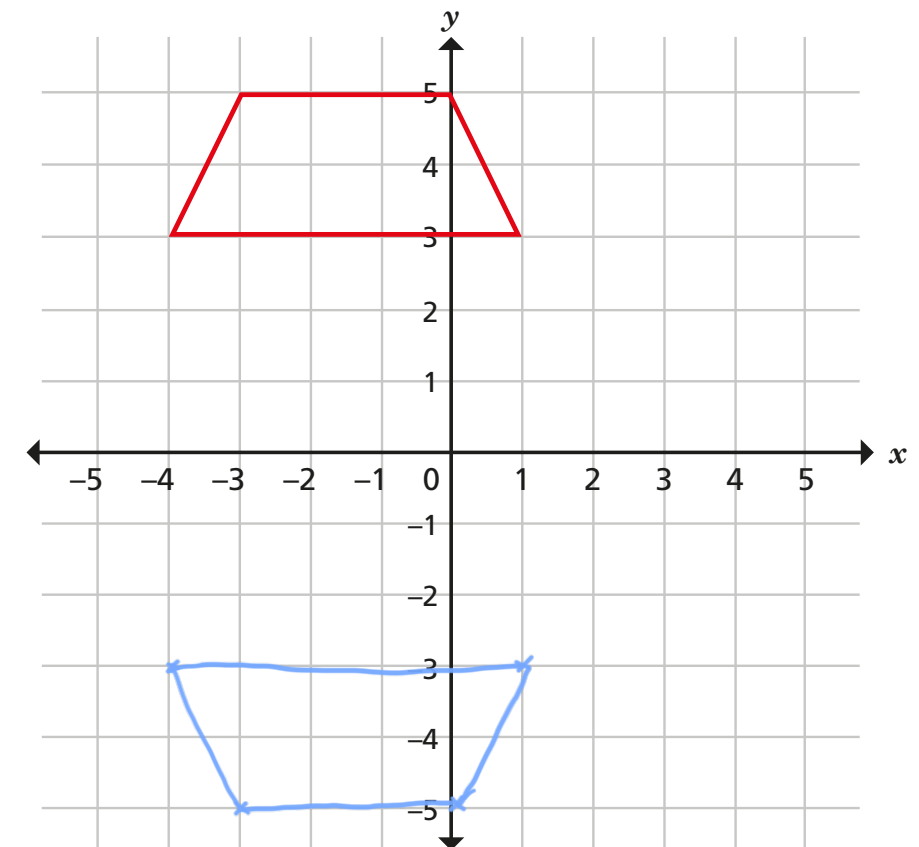


- a) Tick the shapes that are translations of shape A.
- b) Circle the shapes that are reflections of shape A.

- 2 Reflect the triangle in the  $y$ -axis.



- 3

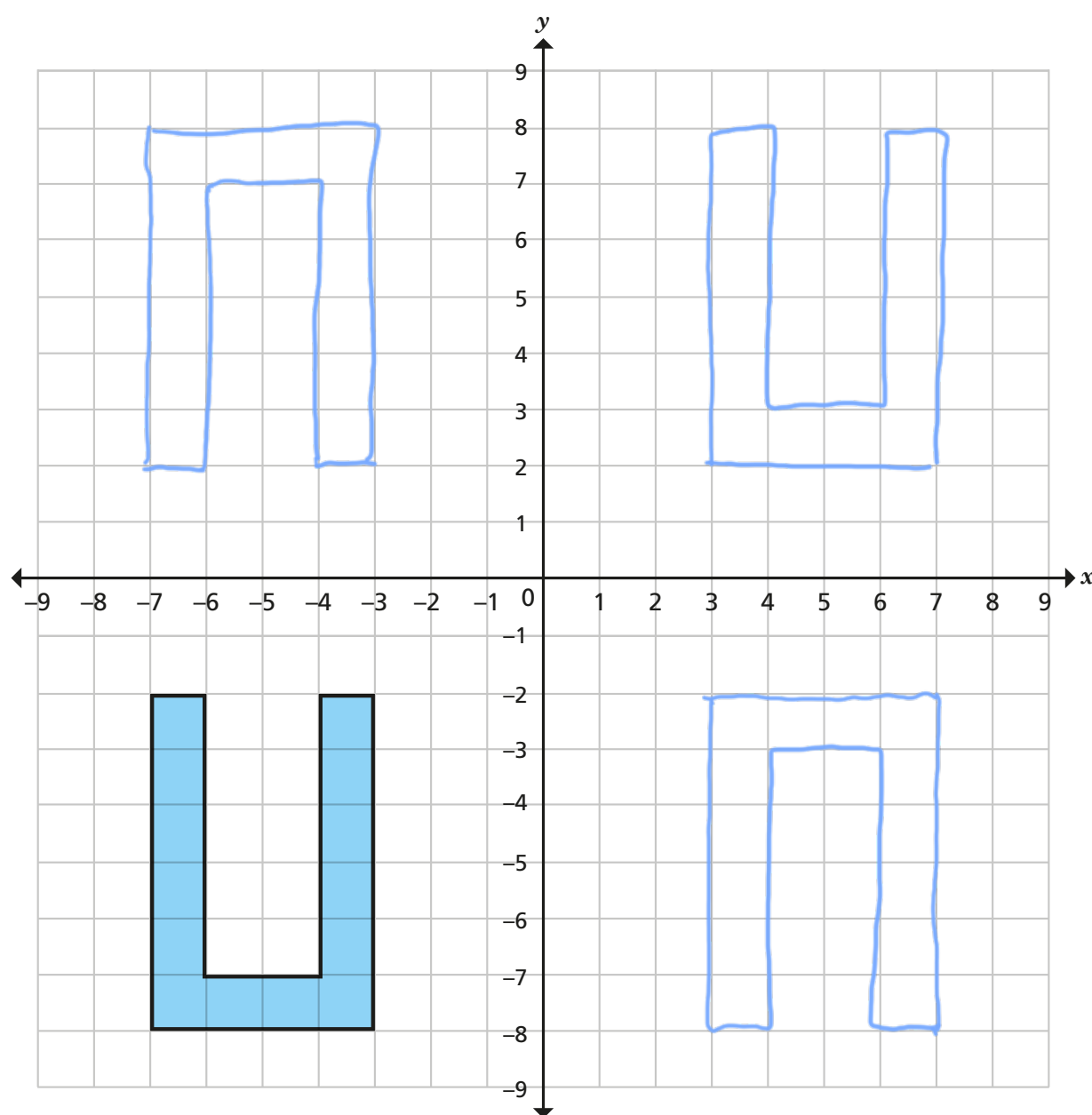


- a) What is the name of the shape plotted on the grid?

Trapezium

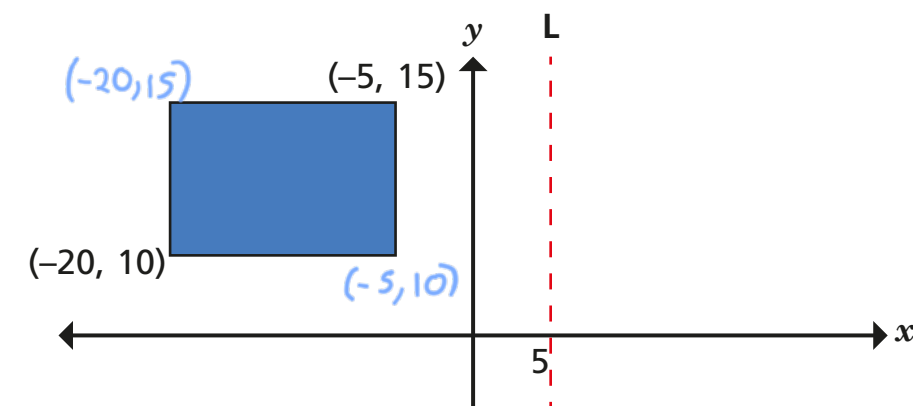
- b) Reflect the shape in the  $x$ -axis.

- 4 An octagon is shown on the coordinate grid.



- Reflect the shape in the  $x$ -axis.
- Translate the new shape 10 right and 10 down.
- Reflect the new shape in the  $x$ -axis.
- What do you notice?
- Create a similar question for your partner to complete.

- 5 The shape is reflected in the line marked L.



Work out the coordinates of the new vertices.

The new vertices are at

(15, 10) (15, 15) (30, 10) (30, 15)

- 6 The isosceles triangle has been reflected in the line marked L.

Work out the missing values.

