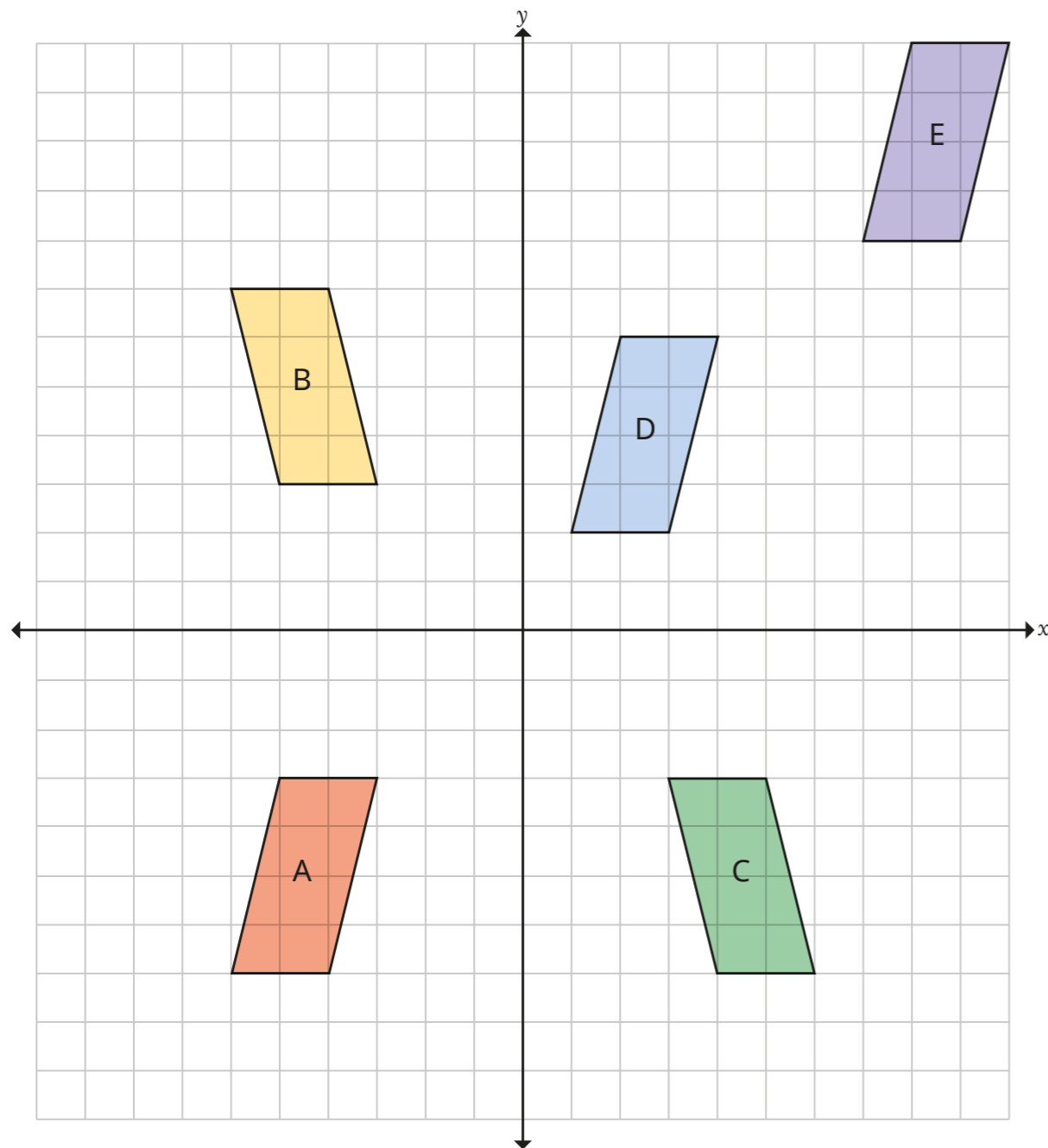


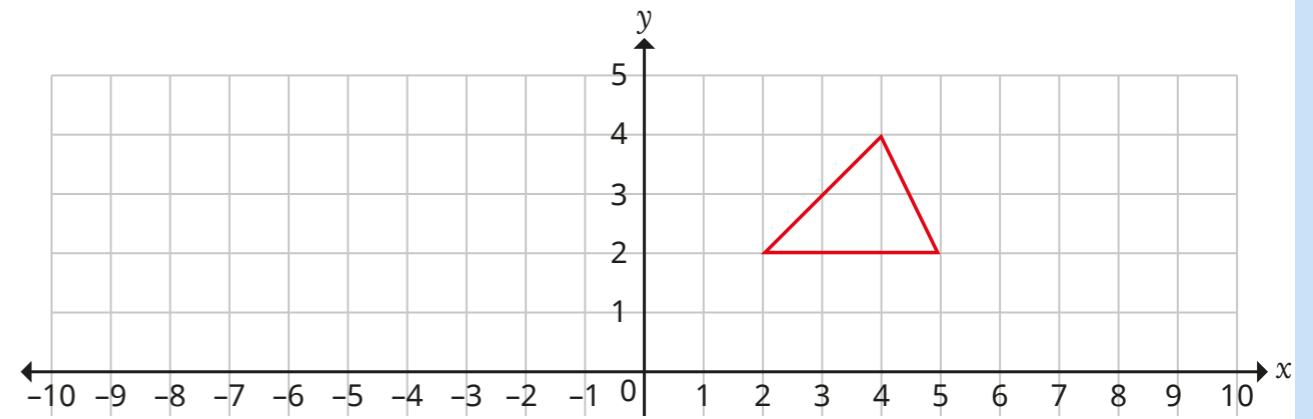
Reflections

1 Five parallelograms are shown on the coordinate grid.

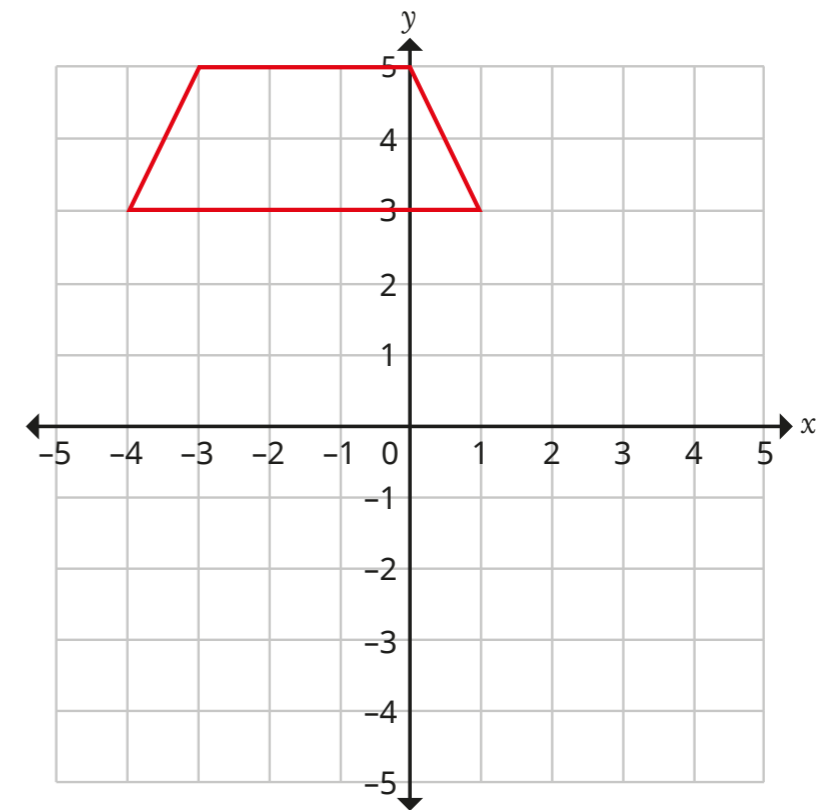


- Tick the shapes that are translations of shape A.
- Circle the shapes that are reflections of shape A.

2 Reflect the triangle in the y-axis.



3

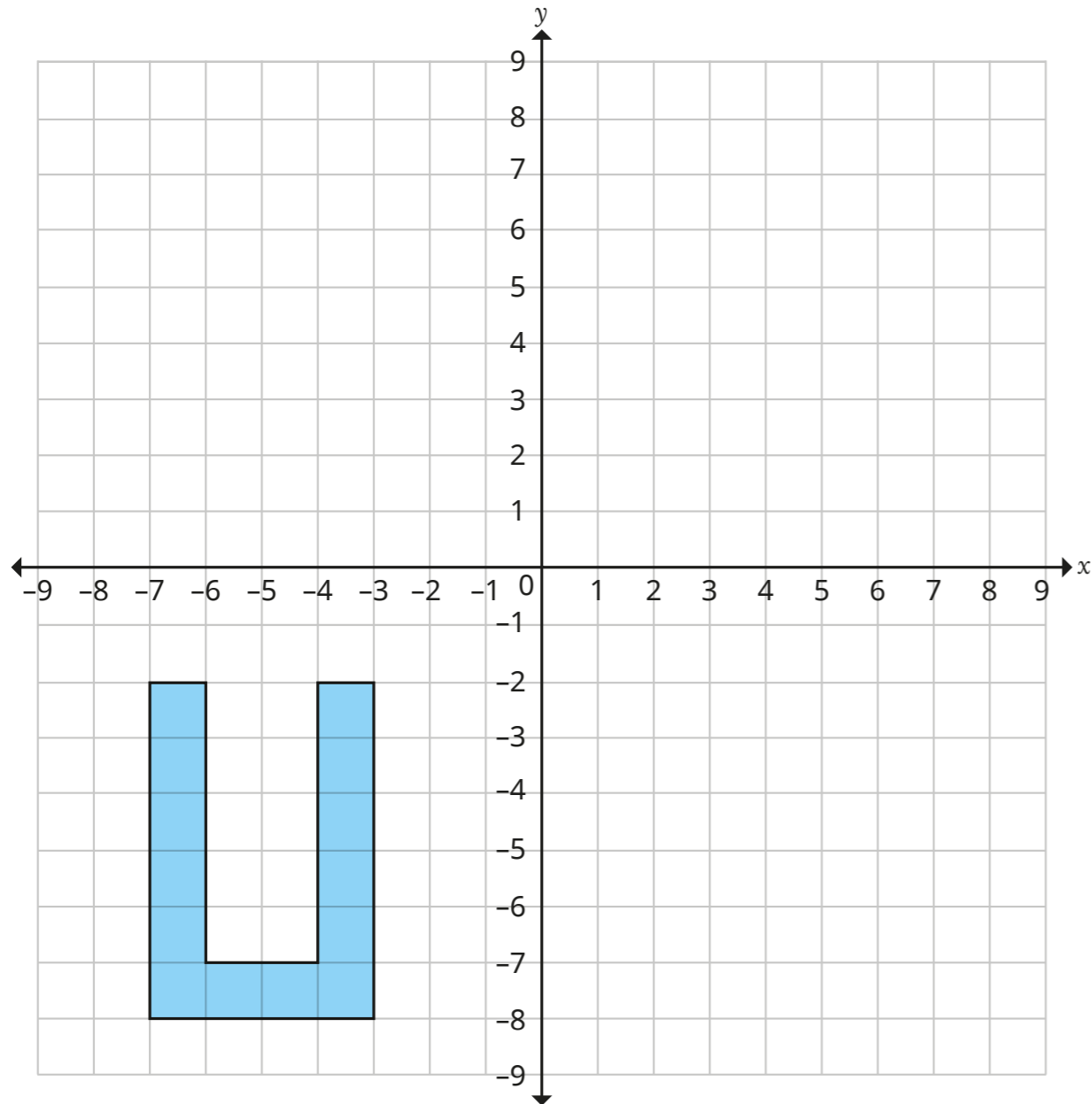


- What is the name of the shape plotted on the grid?

- Reflect the shape in the x -axis.
- What are the coordinates of the vertices of the reflected shape?



4 An octagon is shown on the coordinate grid.



a) Reflect the octagon in the x -axis.

Label this shape B.

b) Translate shape B 10 squares right and 10 squares down.

Label this shape C.

c) Reflect shape C in the x -axis.

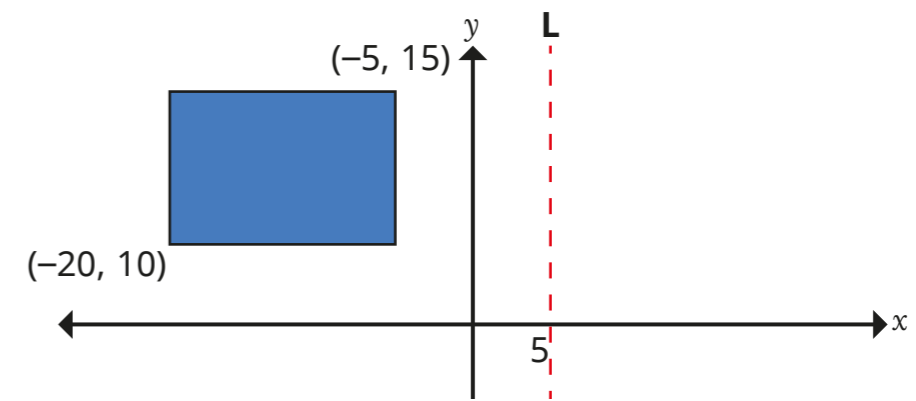
Label this shape D.

What do you notice?

Create a similar question for a partner.



5 The shape is reflected in the line marked L.



Work out the coordinates of the new vertices.

(,) (,) (,) (,)

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

Work out the missing values.

