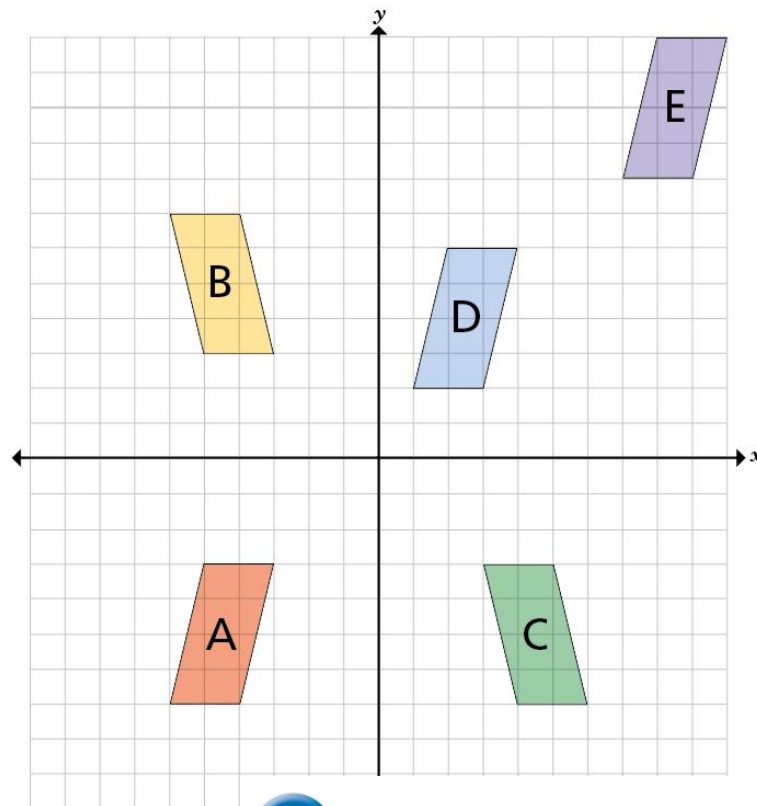


# Reflections

- 1 Five parallelograms are shown on the coordinate grid.

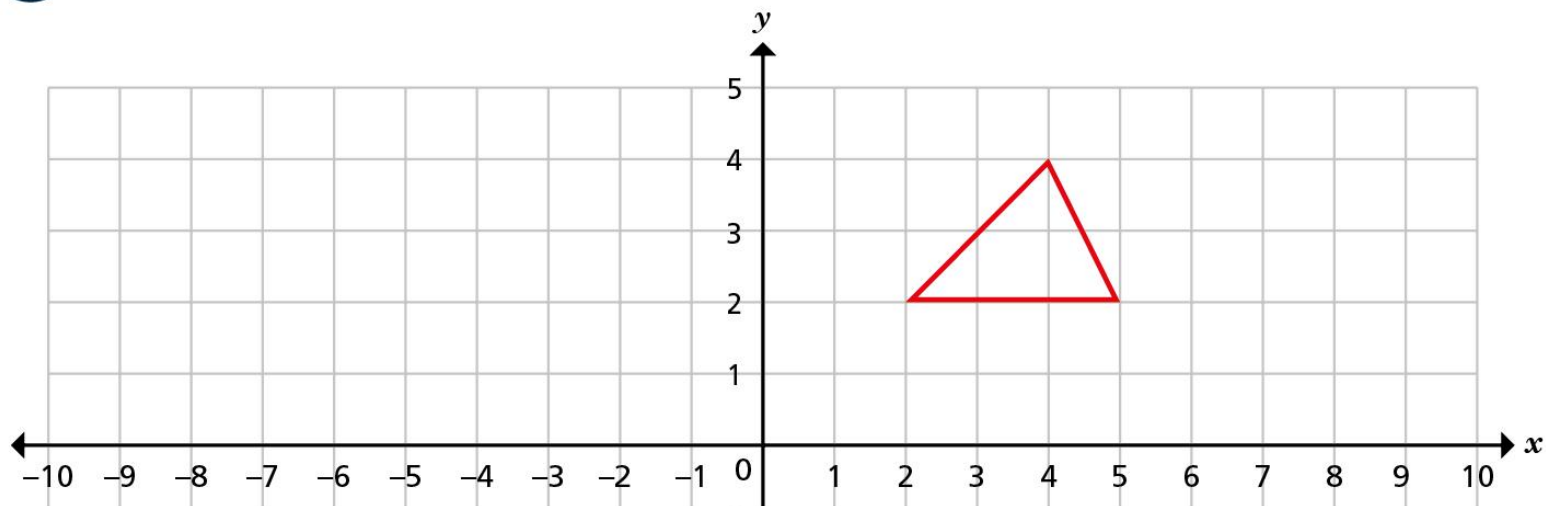


1

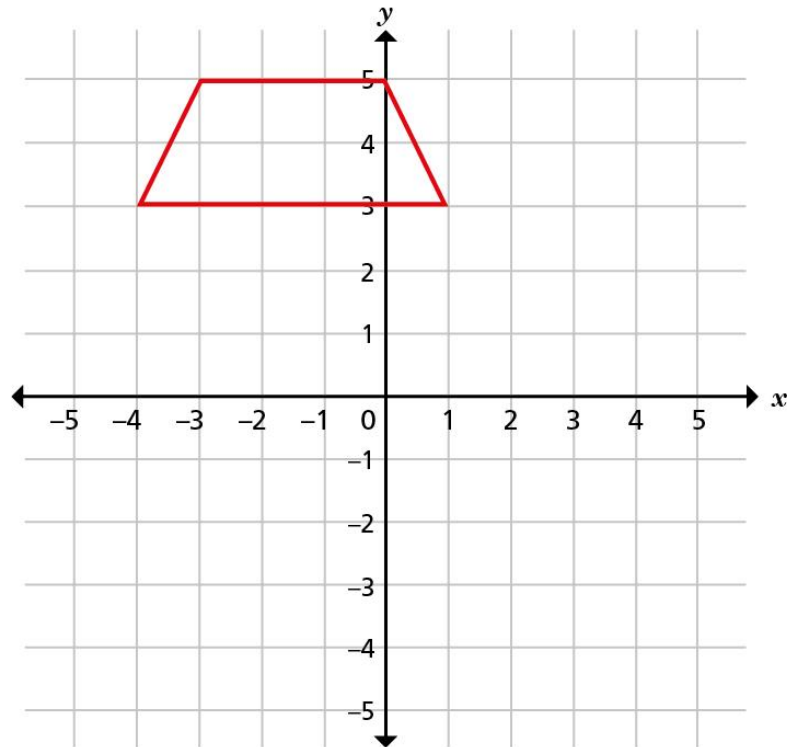
- a) Tick the shapes that are translations of shape A.
- b) Circle the shapes that are reflections of shape A.



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



3



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

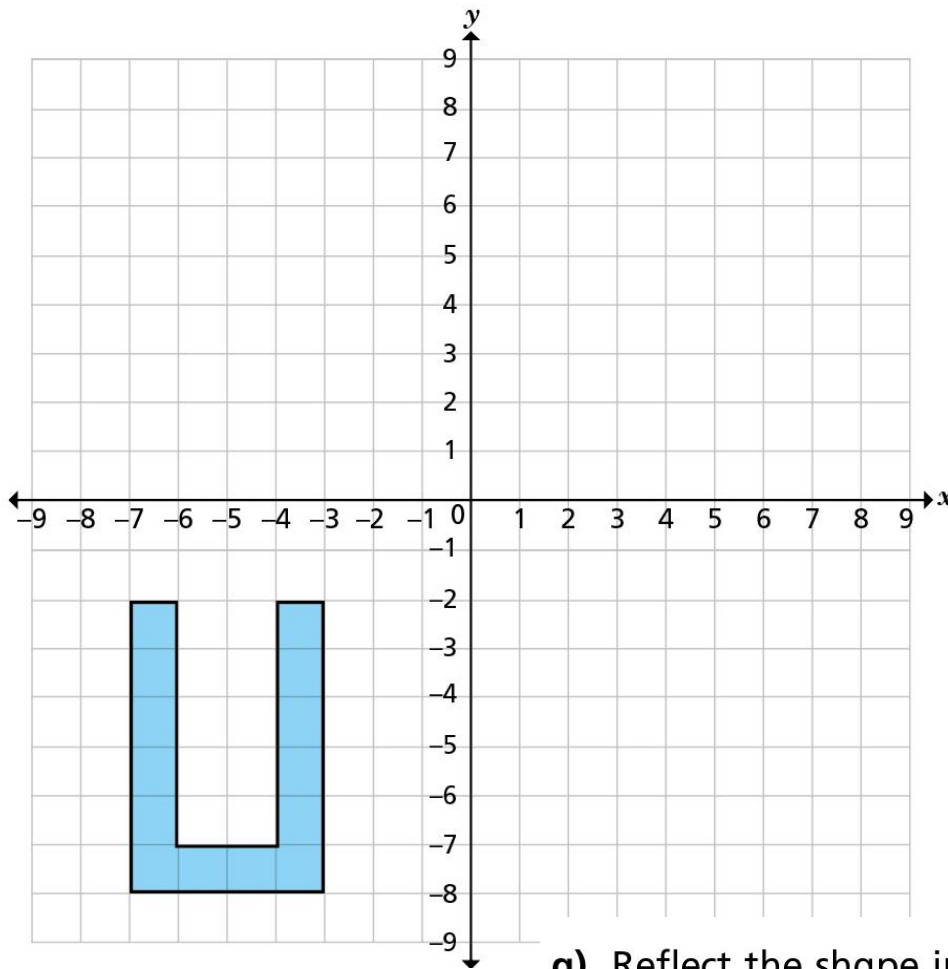
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b) Reflect the shape in the  $x$ -axis.



4

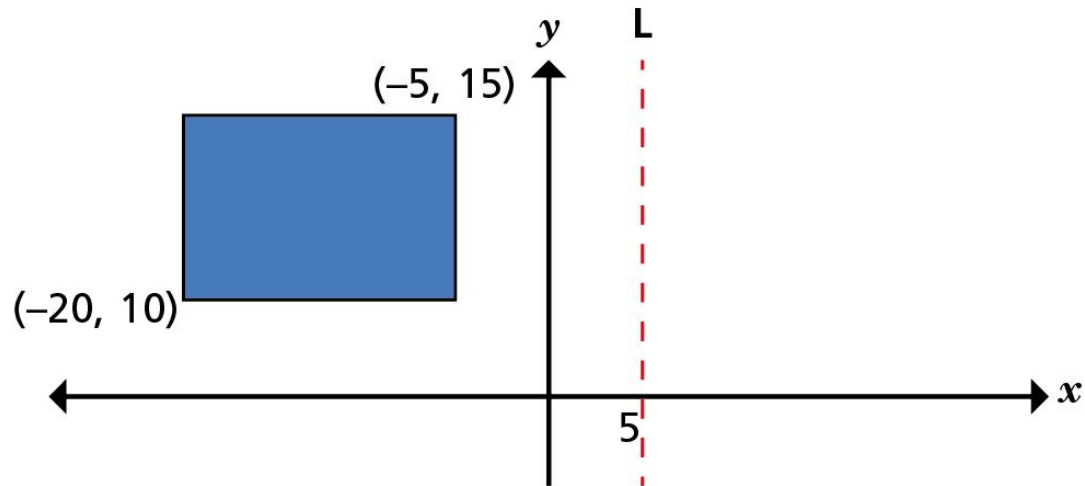
An octagon is shown on the coordinate grid.



- 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

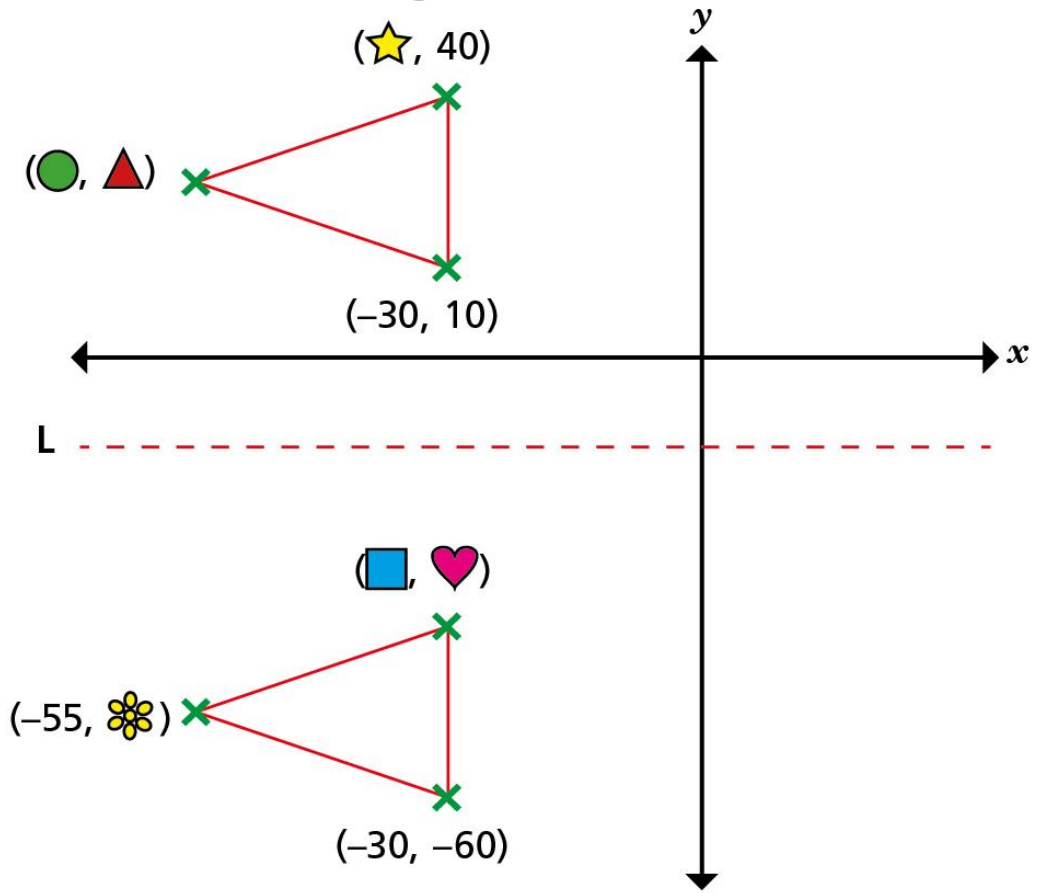
(  ,  )    (  ,  )    (  ,  )    (  ,  )









6

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

Work out the missing values.



-  =
-  =
-  =
-  =
-  =
-  =