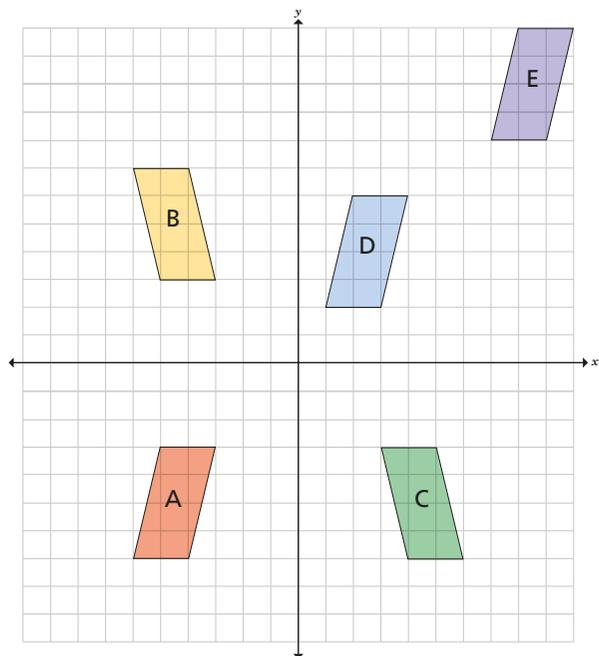
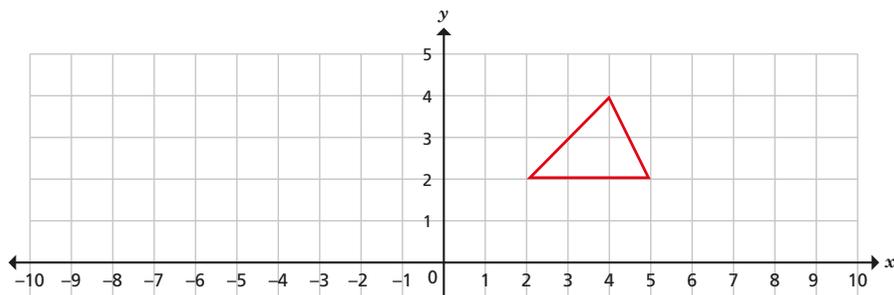


1 Five parallelograms are shown on the coordinate grid.

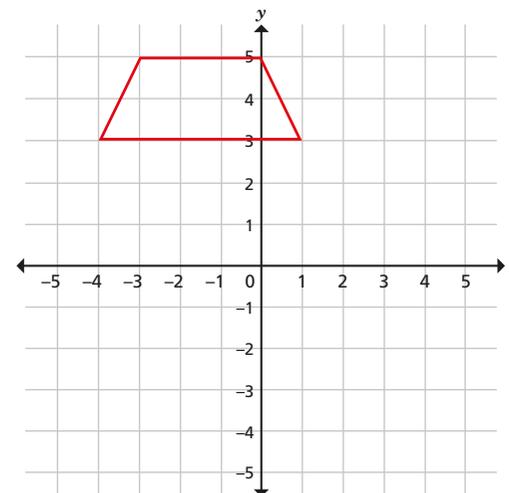


- Which shapes are translations of shape A?
- Which shapes are reflections of shape A?

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



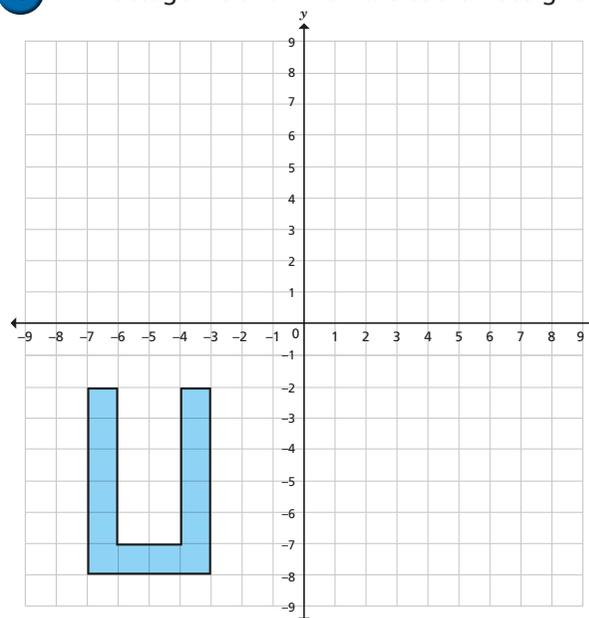
3



- What is the name of the shape plotted on the grid?
- Reflect the shape in the  $x$ -axis.



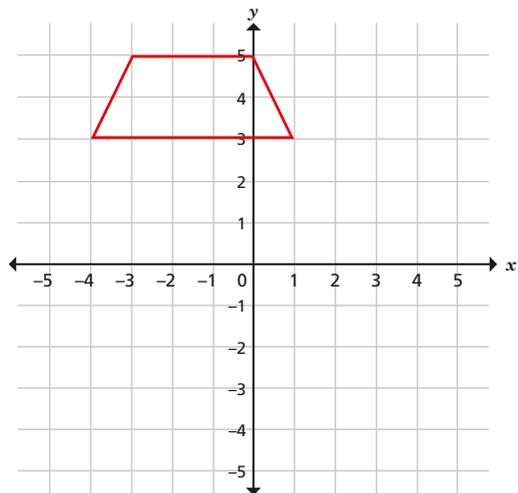
4 An octagon is shown on the coordinate grid.



- 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.



3

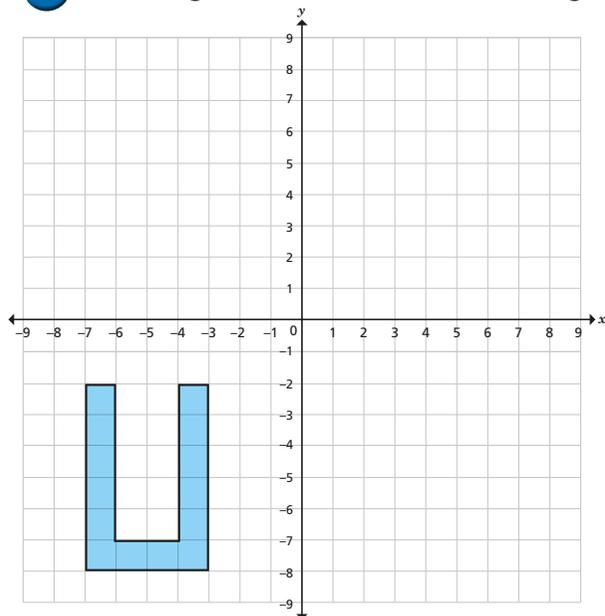


- What is the name of the shape plotted on the grid?
- Reflect the shape in the  $x$ -axis.



4

An octagon is shown on the coordinate grid.

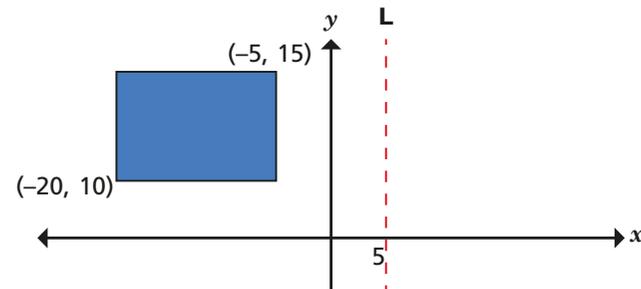


- Reflect the shape in the  $x$ -axis.
- Translate the new shape 10 right and 10 down.
- Reflect the new shape in the  $x$ -axis.
- What do you notice?
- Create a similar question for your partner to complete.



5

The shape is reflected in the line marked L.



Work out the coordinates of the new vertices.



6

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

Work out the missing values.

