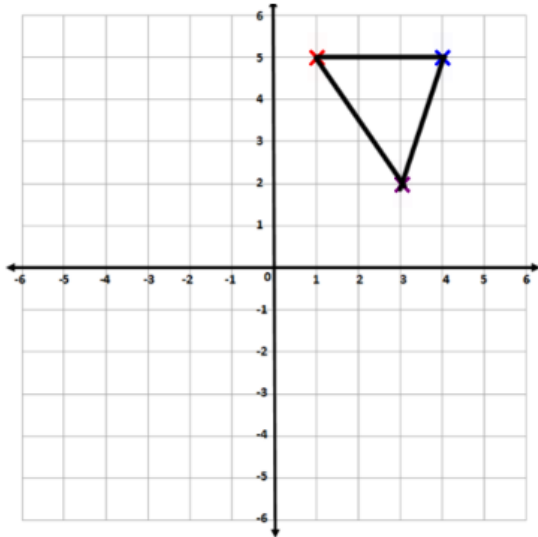


LO: to reflect shapes along axes

<https://classroom.thenational.academy/lessons/to-reflect-shapes-along-axes/>

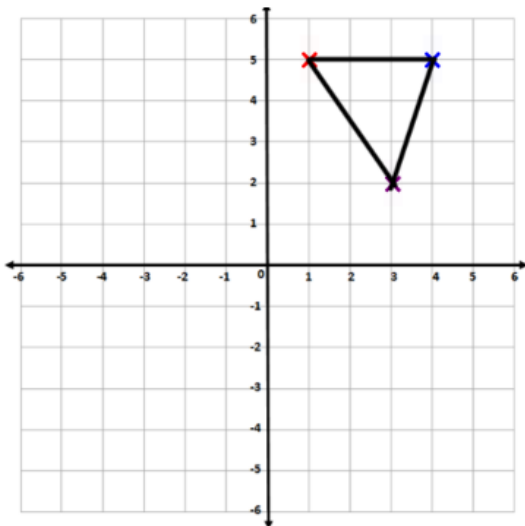
You do not need to print these pages. Answers can either be recorded in your work book or on a piece of paper. The following questions are also included in the web link.

Reflect the triangle on the y axis. What will the new coordinates be for the red X?



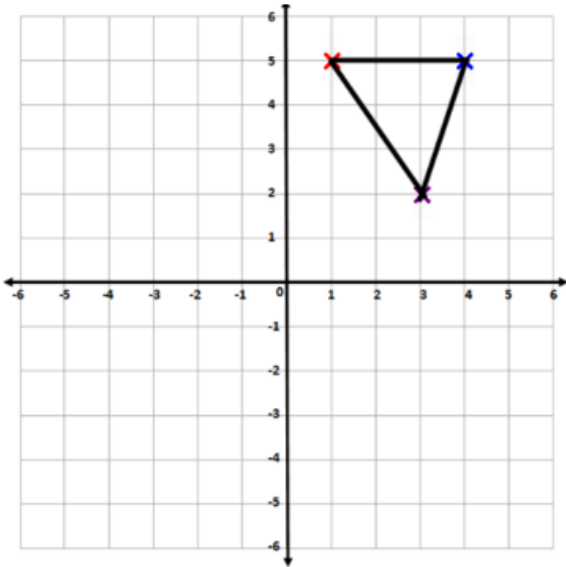
- (-1,5)
- (-5,1)

Reflect the triangle on the x axis. What will the new coordinates be for the blue X?



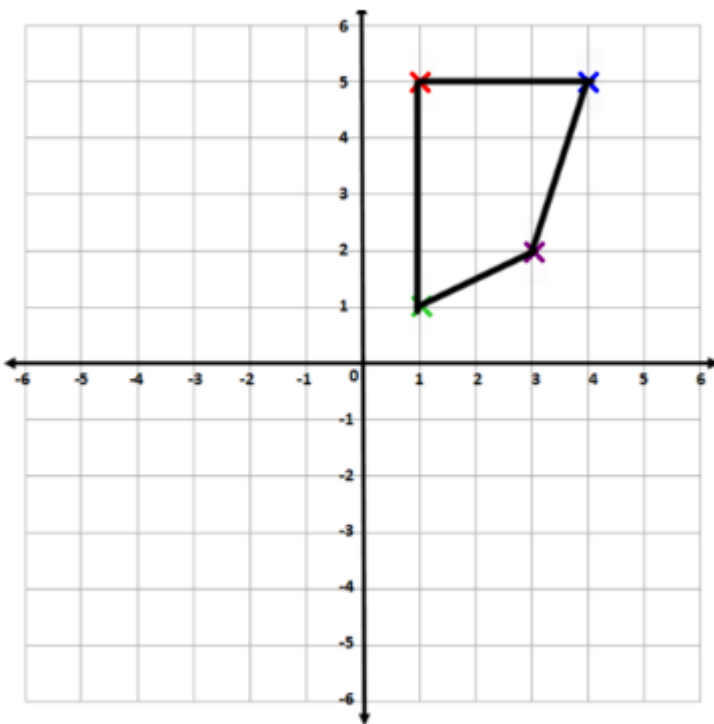
- (4,5)
- (4,-5)

Reflect the triangle on the x axis. What will the new coordinates be for the purple X?



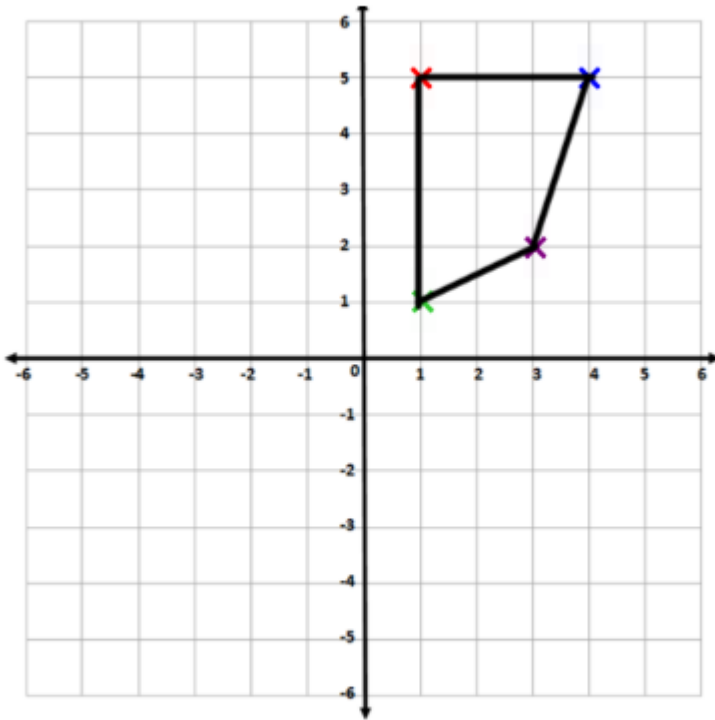
- (3,-2)
- (-3,-2)

True or False. When this quadrilateral is reflected on the y axis, the coordinate of the red x is (-1,5)?



- True
- False

True or False. When this quadrilateral is reflected on the y axis, the coordinate of the purple x is (3,2)?



- True
- False

Independent Task

Task 1

Reflect one vertex along the **Y axis** and work out the coordinates for the rest of the trapezium reflection.

Task 2

Reflect one vertex along the **X axis** and work out the coordinates for the rest of the trapezium reflection.

Task 3

What patterns can you see in the coordinates?

