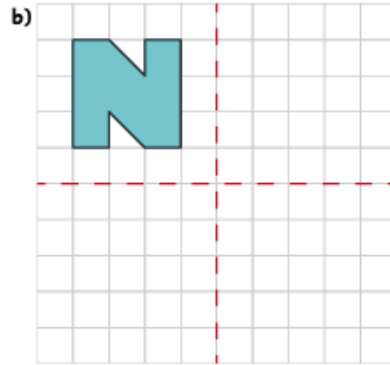
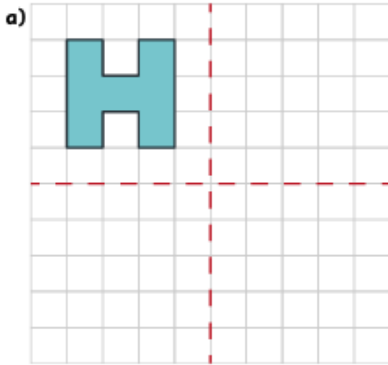


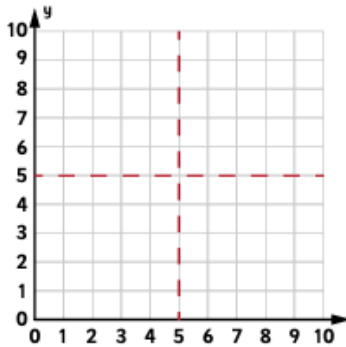
Task Two

3) Reflect the object across both of the mirror lines so that there is an image in all 4 quadrants.



Do you notice a difference between the reflections of the two different shapes?

4) These are the coordinates of the vertices of a pentagon.



(1,9) (3,10) (4,9) (3,6) (3,8)

- Draw the quadrilateral on the coordinate grid. Label it as object A.
- Reflect object A in the vertical mirror line and label this image B.
- Reflect object A in the horizontal mirror line and label this image C.
- Complete the table to show the vertices of object A and images B and C:

Coordinates of object A	Coordinates of image B	Coordinates of image C

5) Amir is reflecting shapes on a coordinate grid.

If you reflect a shape in a vertical mirror line, only the y-coordinates change. If you reflect a shape in a horizontal mirror line, only the x-coordinates change.



Do you agree with Amir? Explain your answer:
