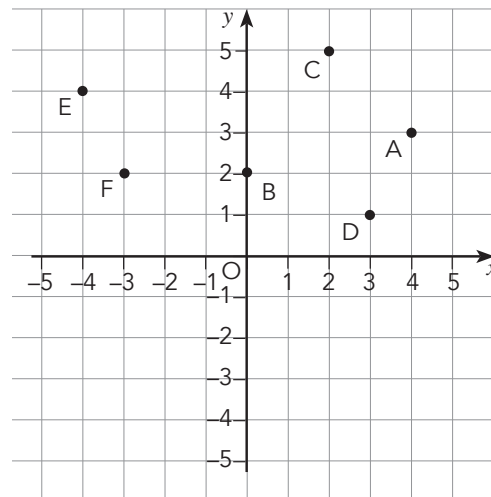


Exercise 33.4A

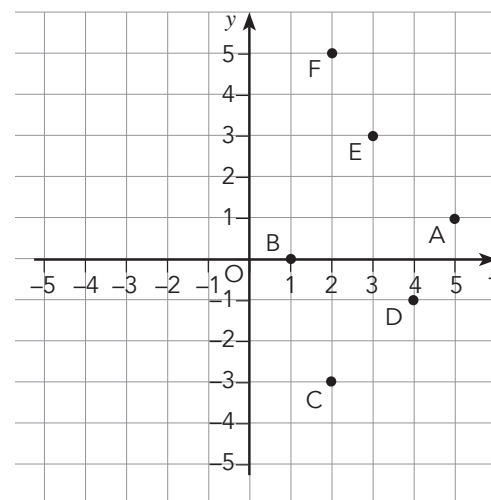
1. Use the coordinate diagram opposite to answer the following questions:

- Copy the diagram and reflect each of the points in the x -axis. Label each image correctly.
- Write down the coordinates of each of the points on the coordinate diagram in pairs, **e.g.** $A(4, 3)$, $A'(4, -3)$.
- Write down the coordinates of the image of the point $G(-4, -2)$, reflected in the x -axis.
- Write down the coordinates of the image of the point $H(5, -6)$, reflected in the x -axis.



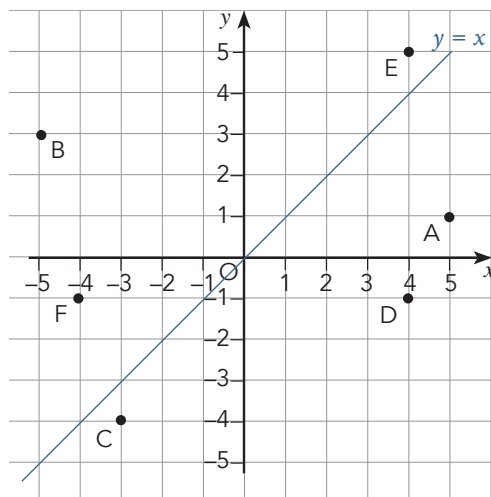
2. Use the coordinate diagram opposite to answer the following questions:

- Copy the diagram and reflect each of the points in the y -axis. Label each image correctly.
- Write down the coordinates of each of the points on the coordinate diagram in pairs, **e.g.** $A(5, 1)$, $A'(-5, 1)$.
- Write down the coordinates of the the image of the point $G(-5, -4)$, reflected in the y -axis.
- Write down the coordinates of the image of the point $H(1, -3)$, reflected in the y -axis.



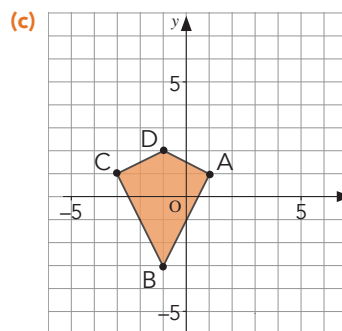
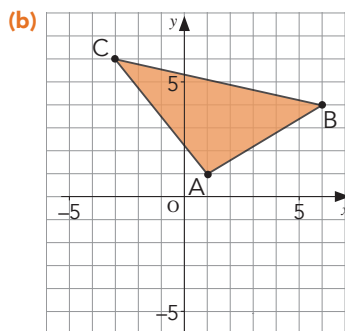
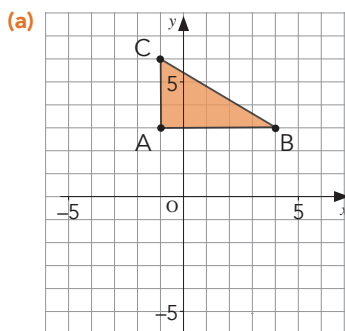
3. Use the coordinate diagram opposite to answer the following questions:

- Copy the diagram and reflect each of the points in the line $y = x$. Label each image correctly.
- Write down the coordinates of each of the points on the coordinate diagram in pairs, **e.g.** $A(5, 1)$, $A'(1, 5)$.
- Write down the coordinates of the image of the point $G(-5, 6)$, reflected in the line $y = x$.
- Write down the coordinates of the image of the point $H(4, -5)$, reflected in the line $y = x$.

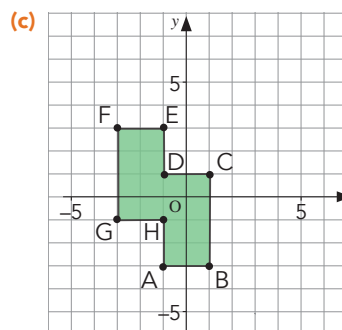
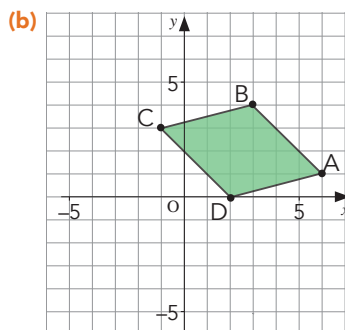
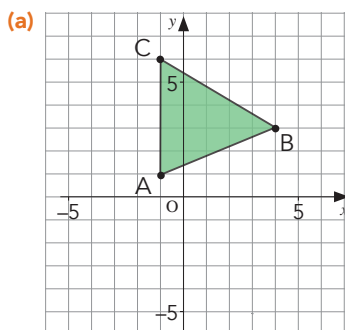


Exercise 33.4B

1. For each of the following shapes: (i) copy the diagram, (ii) reflect the image in the x -axis and (iii) write down the coordinates of all vertices of the shape and its image.



2. For each of the following shapes: (i) copy the diagram, (ii) reflect the image in the y -axis and (iii) write down the coordinates of all vertices of the shape and its image.



3. For each of the following shapes: (i) copy the diagram, (ii) reflect the image in the line $y = x$, (iii) write down the coordinates of all vertices of the shape and its image.

