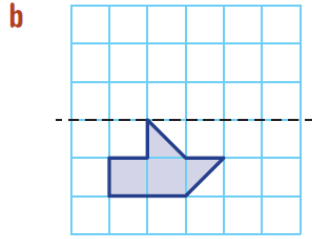**1** Use the grid to precisely reflect each shape in the given mirror line.
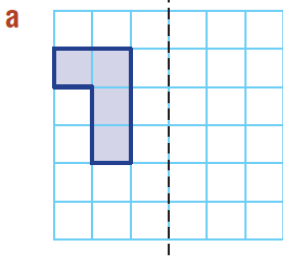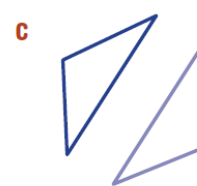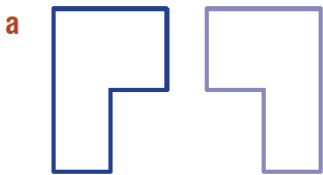
a

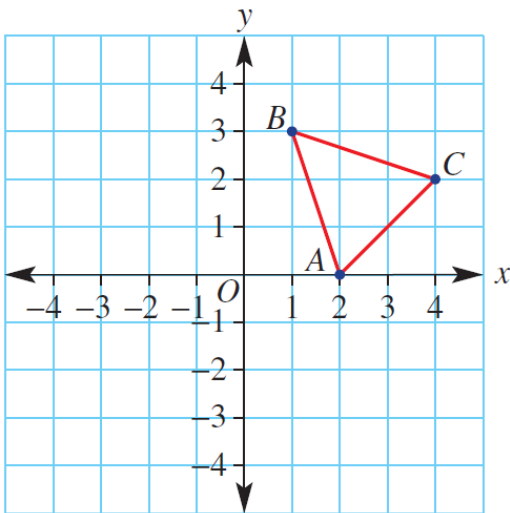b

c
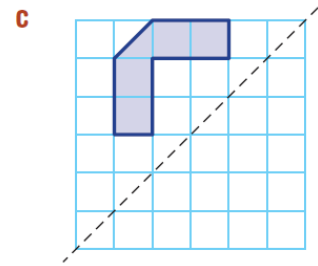
4 Copy the diagram and accurately locate and draw the mirror line. Alternatively, pencil in the line on this page.

a

b

c

5 State the coordinates of the vertices A', B' and C' after the triangle is reflected in the given axes.

a x-axis

b y-axis

9 A shape with area 10 m^2 is reflected in a line. What is the area of the image shape? Give a reason for your answer.