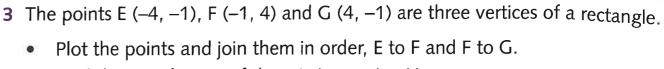
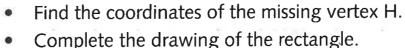
lotting shapes in the four quadrants (2)



Plot and label shapes in the four quadrants and predict missing coordinates



Plot these points onto a grid on Resource 12: 4-quadrant coordinate grids.

A (-3, 4) B (-1, 1) C (3, 3)

• copies of Resource 12: 4-quadrant coordinate grids

- E(-4, -1) F(-2, -4) G(0, -2)
- D (4, 0)

H (3, -5)

• ruler

You will need:

- 2 Write the letter of the point or points that are:
 - a in the 2nd quadrant
- **b** in the 3rd quadrant
- c in the 4th quadrant

- **d** on the x-axis
- e on the y-axis.

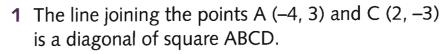
- 3 Using a ruler, join the points B, D, H and F in order to form a square.

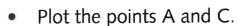
- For each diagram, use a different grid on Resource 12: 4-quadrant coordinate grids.
- 1 Plot each point and join the points in order:
 - a rectangle ABCD: A (-4, 2), B (3, 2), C (3, -2), D (-4, -2)
- b square EFGH: E(-1, 2), F(2, -1),G (-1, -4), H (-4, -1)



- c parallelogram JKLM: J (-2, 3), K (3, 1), L (3, -4), M (-2, -2)
- d rhombus PQRS: P(-1, 4), Q(1, 1), R(-1, -2), S(-3, 1)
- 2 The points A (-3, 1), B (3, 2) and C (4, -4) are three vertices of a square.
 - Plot the points and join them in order, A to B and B to C.
 - Find the coordinates of the missing vertex D.
 - Complete the drawing of the square.

- 4 The points J (-4, 1), K (3, 2) and L (5, -2) are three vertices of a parallelogram.
 - Plot the points and join them in order, J to K and K to L.
 - Find the coordinates of the missing vertex M.
 - Complete the drawing of the parallelogram.
- 5 The points P (-1, 3), Q (1, 0) and R (-1, -3) are three vertices of a rhombus.
 - Plot the points and join them in order, P to Q and Q to R.
 - Find the coordinates of the missing vertex S.
 - Complete the drawing of the rhombus.
 - Find the coordinates for the intersection of the diagonals.
- For each diagram, use a different grid on Resource 12: 4-quadrant coordinate grids.





- Predict the missing coordinates for the vertices B and D.
- Complete the drawing of the square.
- 2 The line joining the points E(-3, 1) and F(3, 3) is a side of square EFGH.
 - Plot the points E and F.
 - Predict the missing coordinates for the vertices G and H if both points have negative y-coordinates.
 - Complete the drawing of the square.
 - Write the coordinates of the intersection of the diagonals at the point J.





