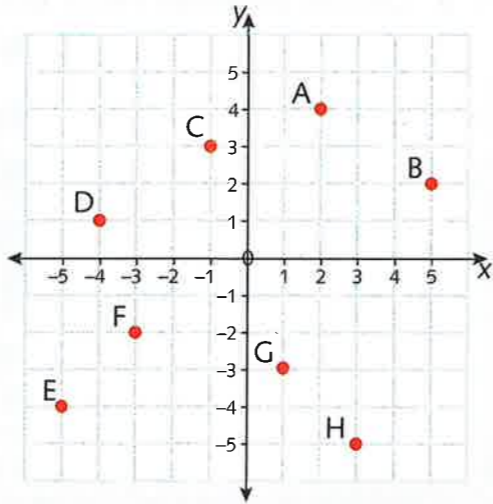


Using coordinates to locate shapes (2)



Use coordinates to describe the position of shapes in all four quadrants

1 The grid shows the coordinates of eight red cars in a car park. Write the coordinates of cars A to H.

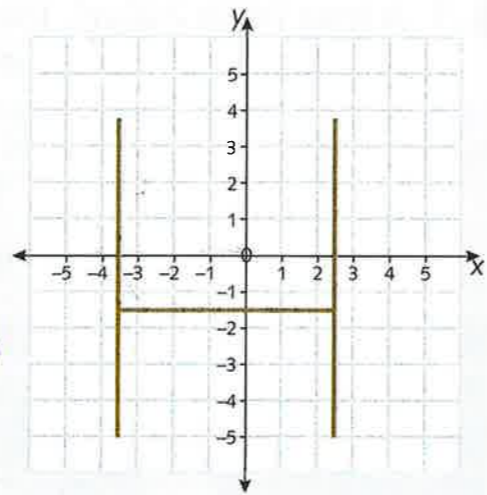


2 The exit from the car park is at the point (0, 4). Write the letter of the cars which are:

- nearest to the exit
- furthest from the exit.

1 Harry takes the penalty kicks for his rugby team.

- The kick is a drop goal if the ball goes over the bar and between the posts.
- The kick is a miss if the ball goes under the bar or outside of the posts.

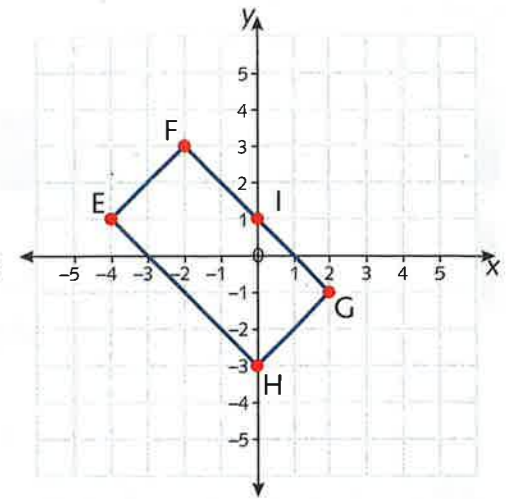
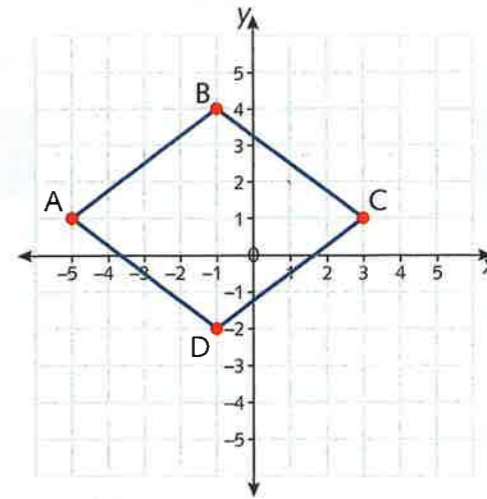


Copy and complete Harry's score sheet. The first two examples have been filled in for you.

Coordinates of kick	(-1, 1)	(-4, -1)	(-3, 2)	(-4, 1)	(2, 0)	(-3, -2)	(-2, -1)	(0, 2)	(4, 2)
Result	Drop goal	Miss							

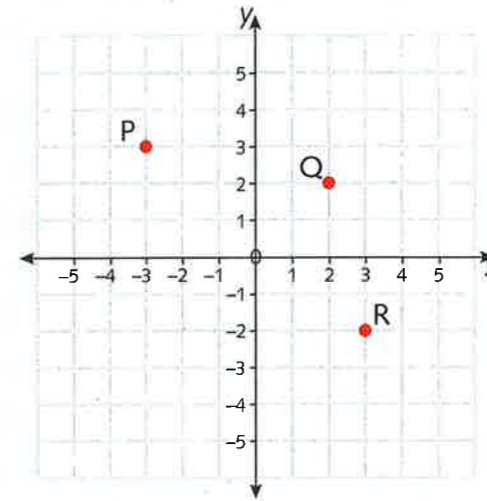
2 List the coordinates of:

- rhombus ABCD
- rectangle EFGH



3 In rectangle EFGH the points E, F and I form three vertices of a square. What are the coordinates of the fourth vertex J?

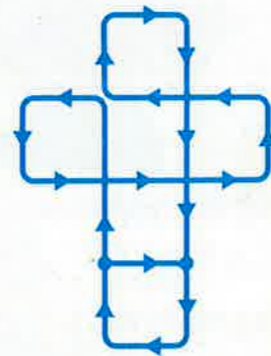
4 The points P, Q and R form three of the vertices of a parallelogram. What are the coordinates of the fourth vertex S?



Challenge 3

Jan is writing a program for a robot to draw the net of a cube without going over the same line twice. She writes the coordinates of the vertices in order and makes this sketch of the route. Write the coordinates of the route from start to finish.

Example
Start: (-1, -2), (1, -2)...



Sketch of the route

