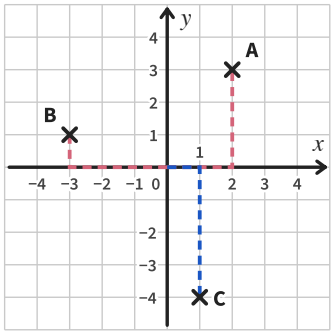
Coordinates in four quadrants

ANSWERS

1

Write down the coordinates of the points A, B and C.



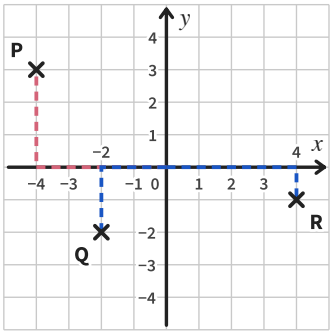
A: (2, 3)

B: (−3, 1)

C: (1, −4)

2

Write down the coordinates of the points P, Q and R.



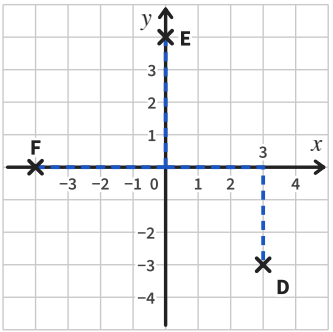
P: (−4, 3)

Q: (−2, −2)

R: (4, −1)

3 *Notice the change!*

Write down the coordinates of the points D, E and F.



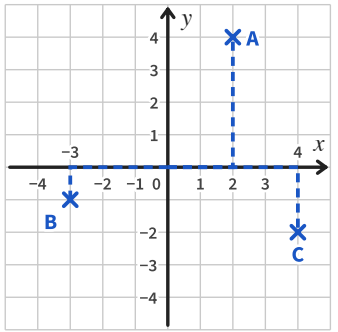
D: (3, −3)

E: (0, 4)

F: (−4, 0)

4

Plot and label the points A(2, 4), B(−3, −1) and C(4, −2).



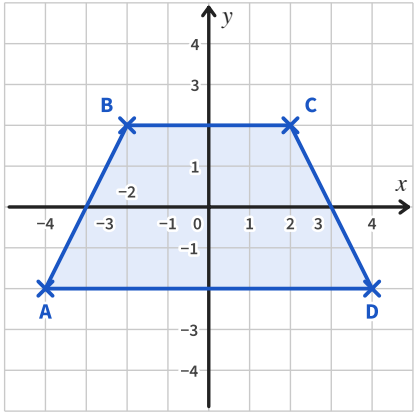
A: right 2, up 4

B: left 3, down 1

C: right 4, down 2

5

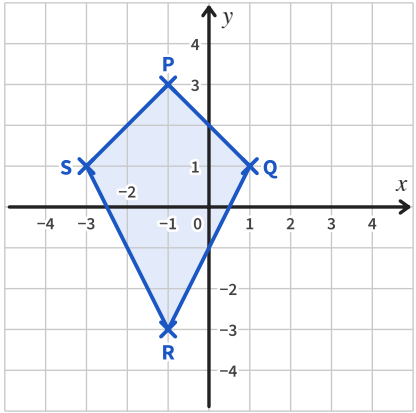
Plot A(−4, −2), B(−2, 2), C(2, 2) and D(4, −2). Join them in order. Name the shape.



Shape: trapezium

6

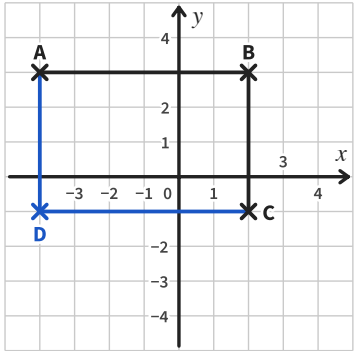
Plot P(−1, 3), Q(1, 1), R(−1, −3) and S(−3, 1). Join them in order. Name the shape.



Shape: kite

7

A, B and C are three corners of a rectangle ABCD. Find the coordinates of D.



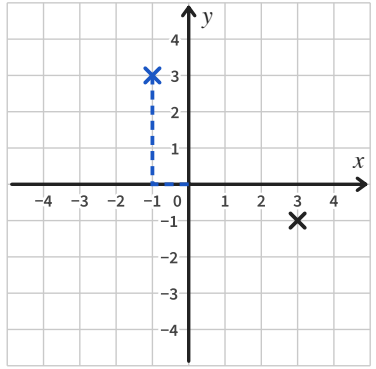
below A: x = −4

across from C: y = −1

D (−4, −1)

8

Ellie plots the point (−1, 3) at the cross shown. Explain her mistake. Plot the point correctly.



mistake: wrong way round

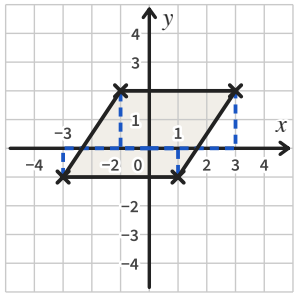
(−1, 3): left 1, up 3

Coordinates in four quadrants *further practice*

ANSWERS

9

Write down the coordinates of the four corners of the shape.



across first, then up or down

Answer *(−3, −1), (1, −1), (3, 2), (−1, 2)*

10

A square has three corners at (−1, −2), (3, −2) and (3, 2).
Find the fourth corner.

above (−1, −2): x = −1

across from (3, 2): y = 2

Answer *(−1, 2)*

11

Which of these points are on the x axis?
(0, 4), (−3, 0), (2, −2), (0, 0), (5, 1)

on the x axis there is no move up or down

so the y coordinate is 0

Answer *(−3, 0) and (0, 0)*

12

On a map of a park, the café is at (−3, 2). Kai walks 5 squares right and then 4 squares down.
Where does he finish?

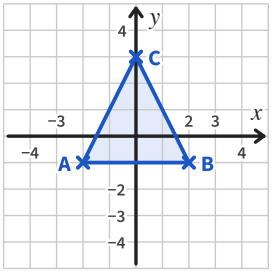
across: −3 + 5 = 2

up or down: 2 − 4 = −2

Answer *(2, −2)*

13

Plot A(−2, −1), B(2, −1) and C(0, 3).
Join them. What type of triangle is ABC?



AC and BC are the same length

C is straight above the middle of AB

Answer *isosceles*

14

PQRS is a rectangle. P is (−3, 4), Q is (3, 4) and S is (−3, −1).
Find the coordinates of R.

R is below Q: x = 3

R is across from S: y = −1

Answer *(3, −1)*

15

A rectangle has corners at (−2, 3), (4, 3), (4, −1) and (−2, −1). Each unit is 1 cm. Work out its perimeter.

across: −2 to 4 is 6, up: −1 to 3 is 4

6 + 4 + 6 + 4 = 20

Answer *20 cm*

16

Leo says (4, −3) and (−3, 4) are the same point, because they use the same numbers. Is he right? Explain.

(4, −3): right 4, down 3

(−3, 4): left 3, up 4

Answer *No*