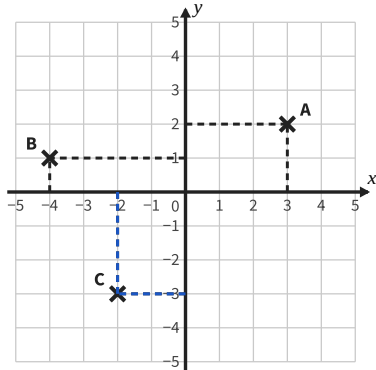


Coordinates

ANSWERS

1

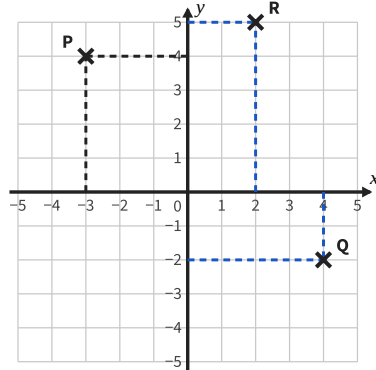
Write down the coordinates of the points A, B and C.



Answer A(3, 2) B(-4, 1) C(-2, -3)

2

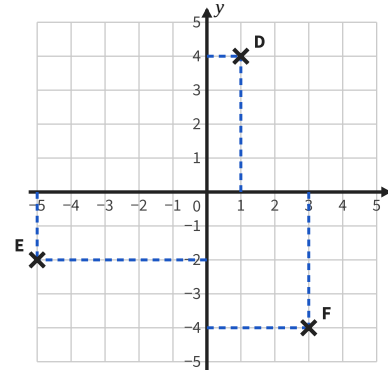
Write down the coordinates of the points P, Q and R.



Answer P(-3, 4) Q(4, -2) R(2, 5)

3

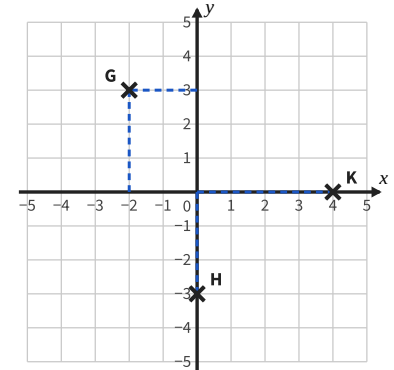
Write down the coordinates of the points D, E and F.



Answer D(1, 4) E(-5, -2) F(3, -4)

4

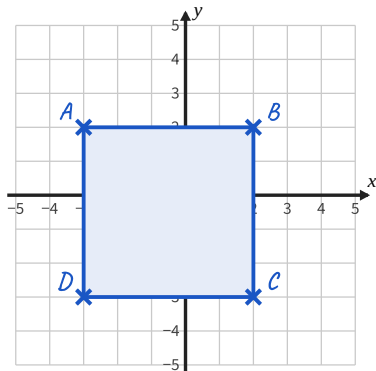
Write down the coordinates of the points G, H and K.



Answer G(-2, 3) H(0, -3) K(4, 0)

5

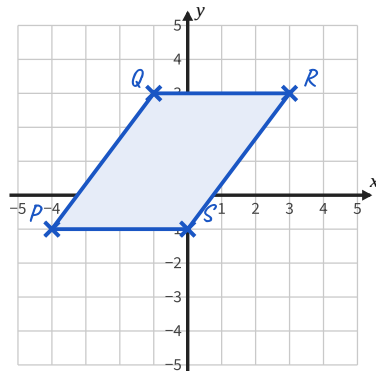
Plot and label the points A(-3, 2), B(2, 2), C(2, -3), D(-3, -3). Join them in order. Name the shape.



Answer square

6

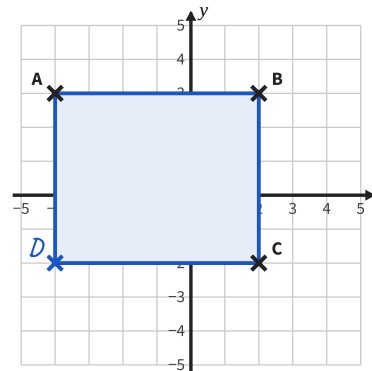
Plot and label the points P(-4, -1), Q(-1, 3), R(3, 3), S(0, -1). Join them in order. Name the shape.



Answer parallelogram

7

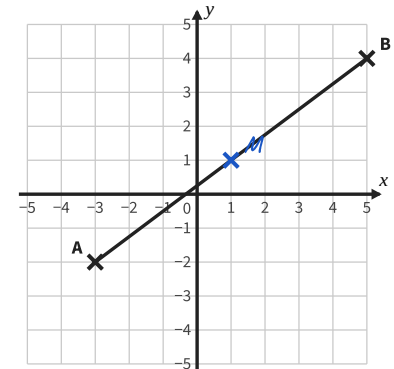
A, B and C are three corners of a rectangle ABCD. Plot D and write down its coordinates.



Answer D(-4, -2)

8

Find the coordinates of the midpoint of the line AB.

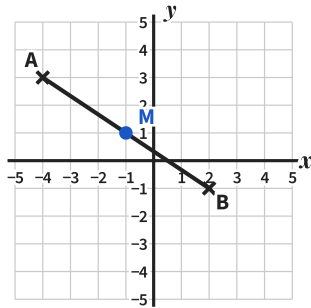


Answer (1, 1)

9



Find the coordinates of the midpoint of the line AB.



Answer $(-1, 1)$

10



A is the point $(2, 3)$ and B is the point $(2, -4)$. How many units apart are A and B?

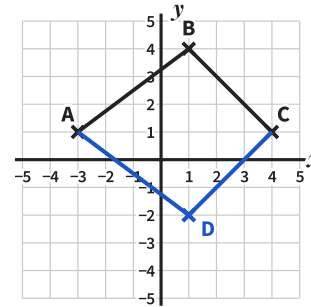
$3 \text{ up to } 0, \text{ then } 4 \text{ more down}$

Answer 7 units

11



ABCD is a kite. The line AC is a line of symmetry. Plot D and write down its coordinates.



Answer $D(1, -2)$

12



A rectangle has corners at $(-3, 2)$, $(5, 2)$, $(5, -1)$, $(-3, -1)$. Work out its area.

$\text{width } 8, \text{ height } 3$

Area 24 square units

13



On a map of a park, the café is at $(-2, 3)$ and the gate is at $(4, -1)$. A bench is halfway between them. Where is the bench?

$\text{halfway: } -2 \text{ to } 4, \text{ and } 3 \text{ to } -1$

Answer $(1, 1)$

14



M $(1, 2)$ is the midpoint of the line AB. A is the point $(-3, 5)$. Find the coordinates of B.

$A \text{ to } M: 4 \text{ right, } 3 \text{ down. Do it again.}$

Answer $B(5, -1)$

15



A drone starts at $(-2, -3)$. It flies 5 units right and 7 units up. Then it flies 6 units left. Where does it finish?

$(3, 4), \text{ then } (-3, 4)$

Answer $(-3, 4)$

16



Mo says the point $(-4, 0)$ lies on the y axis. Is Mo right? Explain.

$y = 0, \text{ so it is on the } x \text{ axis}$

Answer No