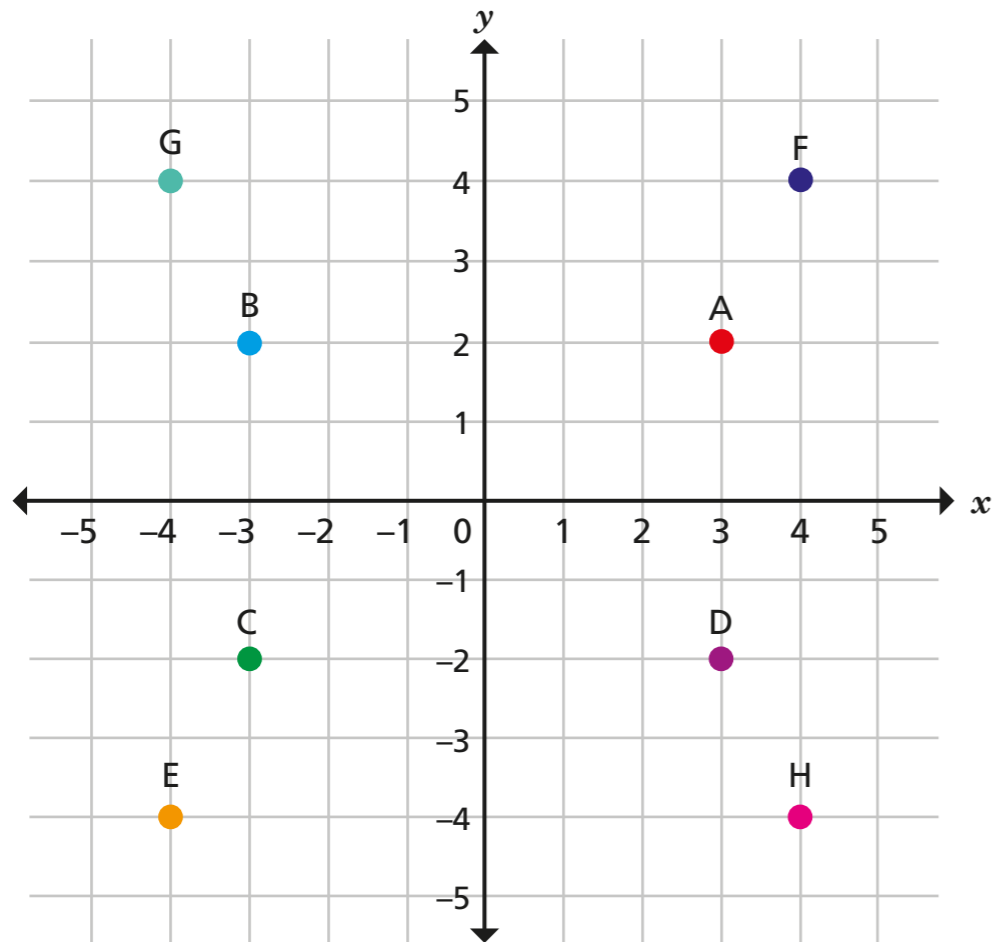


Four quadrants

1



Write the coordinates of points A to H.

A (3 , 2)

E (-4 , -4)

B (-3 , 2)

F (4 , 4)

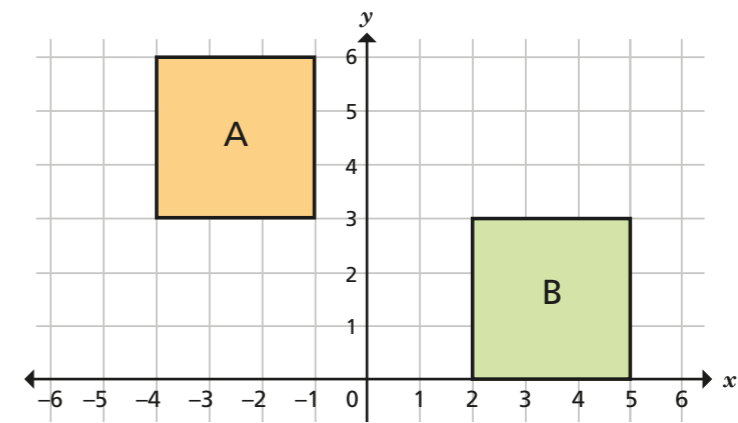
C (-3 , -2)

G (-4 , 4)

D (3 , -2)

H (4 , -4)

2

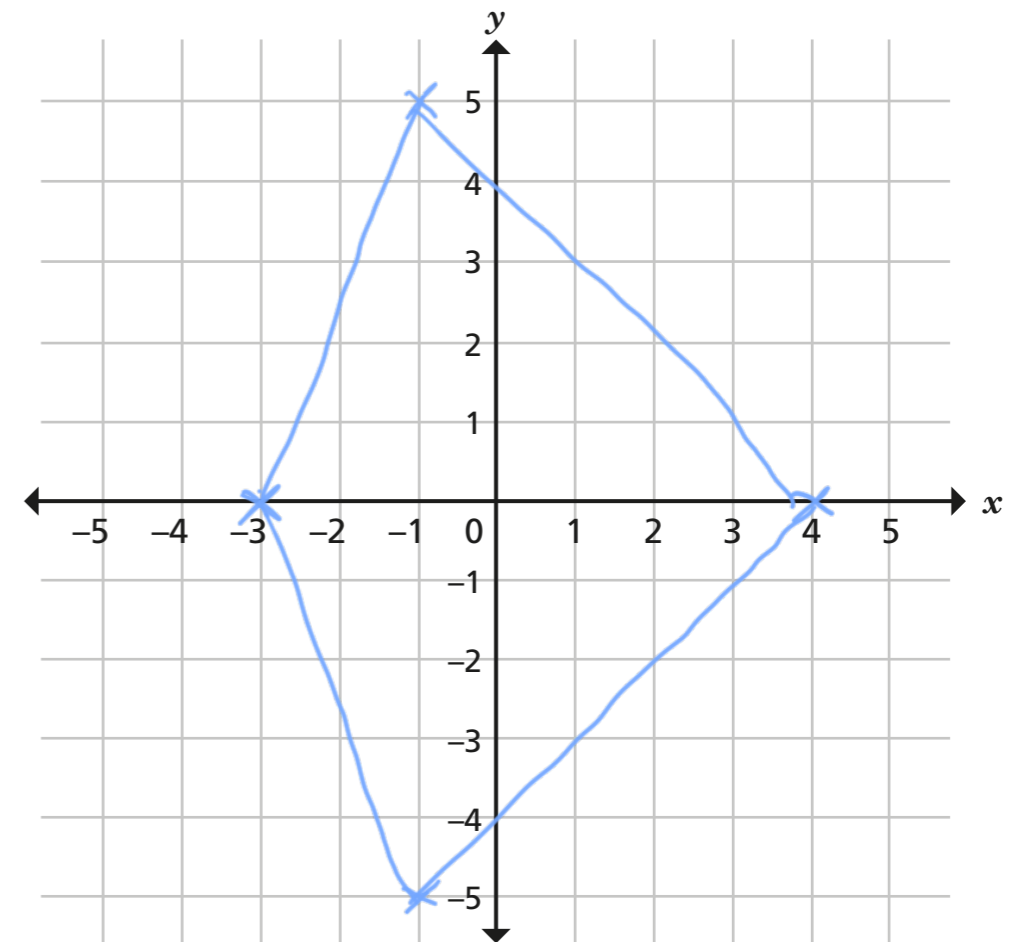


Write the coordinates for each vertex of each square.

square A = $(-4, 6)$ $(-1, 6)$ $(-1, 3)$ $(-4, 3)$

square B = $(2, 0)$ $(5, 0)$ $(5, 3)$ $(2, 3)$

3



a) Plot these coordinates.

$(-3, 0)$ $(4, 0)$ $(-1, 5)$ $(-1, -5)$

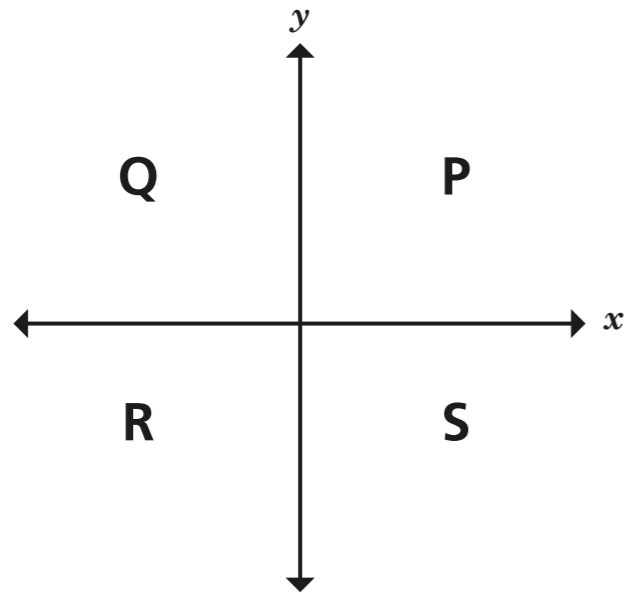
b) Join the points you have plotted to form a quadrilateral.

c) Complete the sentence to describe the shape you have drawn.

This quadrilateral is a kite



4



Various answers.

a) Write coordinates for 4 possible points in each quadrant.

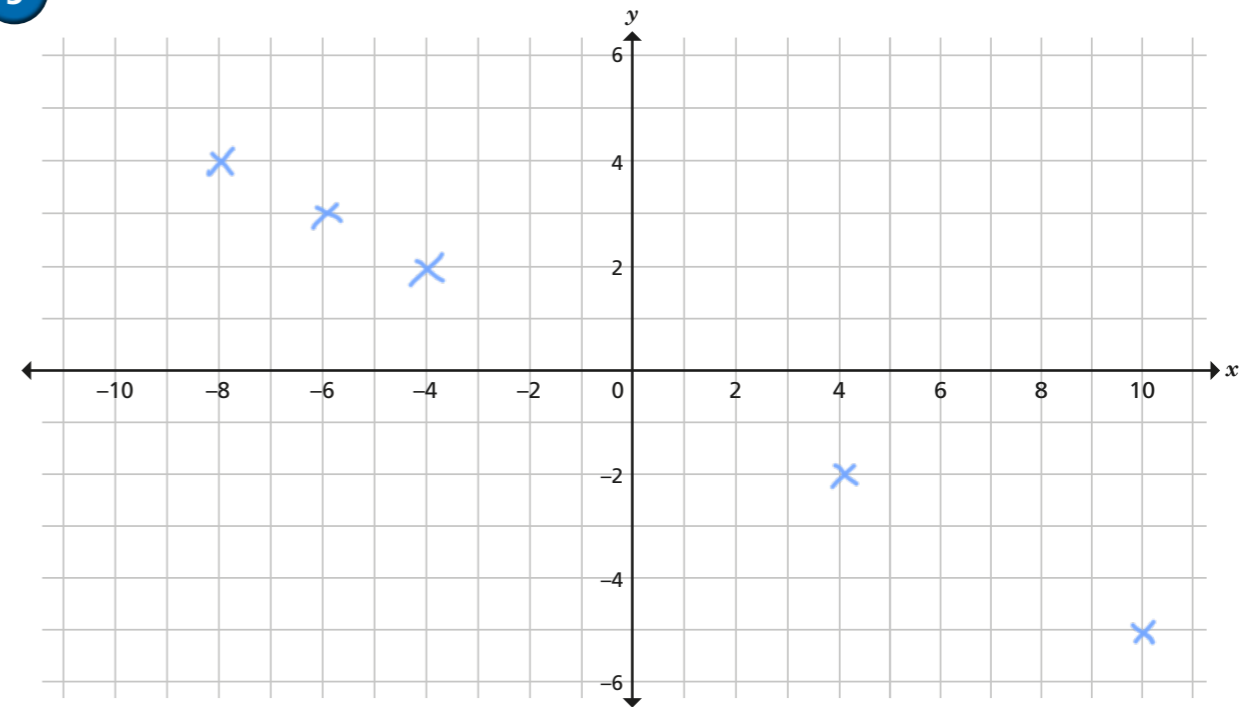
| Quadrant P | | Quadrant R | |
|------------|-----------|------------|----------|
| (2, 4) | (71, 60) | (-4, -11) | (-1, -1) |
| (3, 1) | (5, 17) | (-19, -27) | (-8, -9) |
| Quadrant Q | | Quadrant S | |
| (-7, 11) | (-4, 1) | (2, -5) | (30, -4) |
| (-5, 21) | (-100, 2) | (17, -12) | (6, -1) |

b) Write 4 different coordinates that are not in any single quadrant.

(3, 0) (0, 0)
(0, 4) (-7, 0)

What do you notice?

5



a) Plot these coordinates.

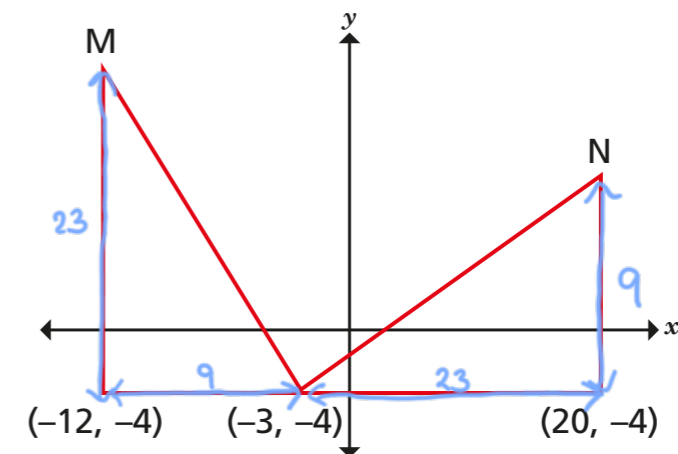
(-8, 4) (4, -2) (10, -5) (-4, 2) (-6, 3)

b) Write three other coordinates that would be in the same line.

(-2, 1) (0, 0) (2, -1)

6

The diagram shows two identical triangles.



Write the coordinates of points M and N.

M (-12, 19) N (20, 5)