

Varied Fluency

Step 2: Four Quadrants

National Curriculum Objectives:

Mathematics Year 6: (6P3) [Describe positions on the full coordinate grid \(all four quadrants\)](#)

Differentiation:

Developing Questions to support reading, plotting and writing coordinates (for quadrilaterals) in two quadrants.

Expected Questions to support reading, plotting and writing coordinates (for quadrilaterals) in all four quadrants.

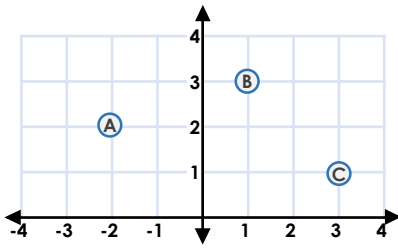
Greater Depth Questions to support reading, plotting and writing coordinates (for regular and irregular polygons which overlap the quadrants) in all four quadrants.

More [Year 5 and Year 6 Position and Direction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Four Quadrants

1a. Match coordinates with the points on the grid.



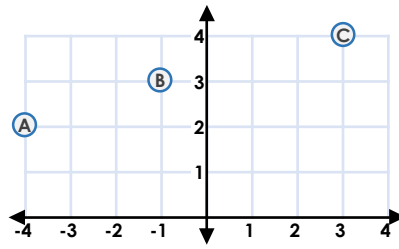
(1, 3)
(3, 1)
(-2, 2)
(-3, 2)



6 VF

Four Quadrants

1b. Match coordinates with the points on the grid.

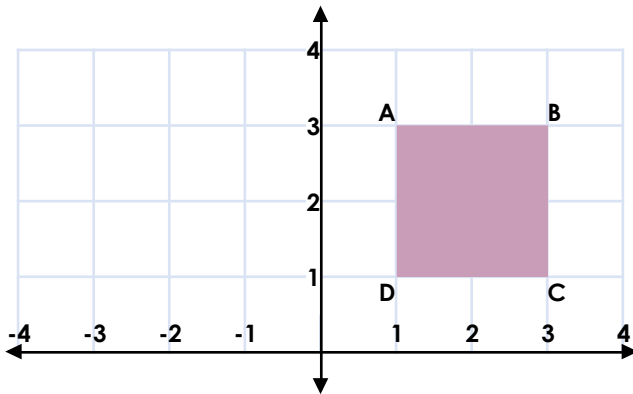


(-4, 2)
(3, 4)
(-1, 3)
(0, 4)



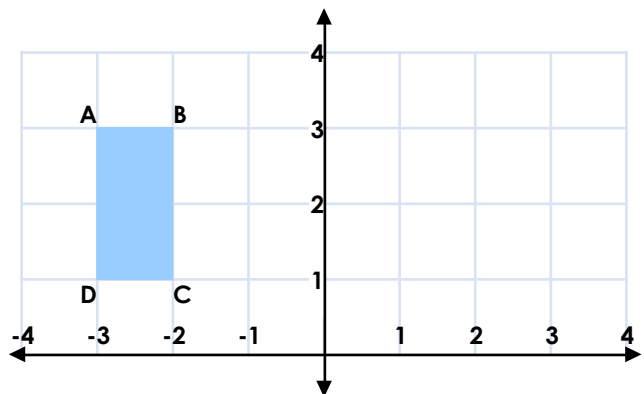
6 VF

2a. Write the coordinates of the shape.



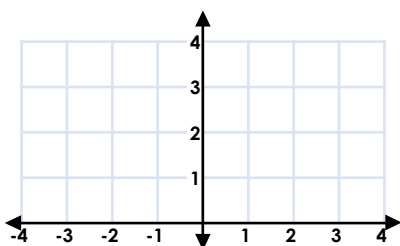
6 VF

2b. Write the coordinates of the shape.



6 VF

3a. Plot the coordinates to draw the shape. What shape have you drawn?

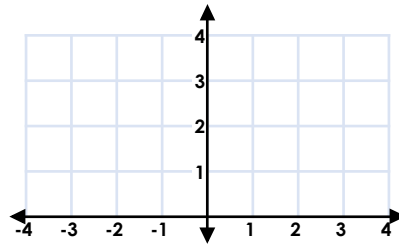


(-1, 1)
(-4, 1)
(-4, 3)
(-1, 3)



6 VF

3b. Plot the coordinates to draw the shape. What shape have you drawn?



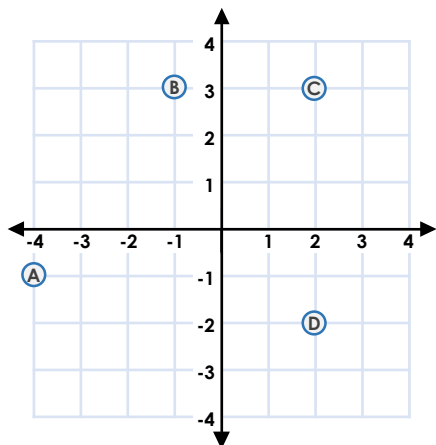
(1, 1)
(4, 1)
(1, 4)
(4, 4)



6 VF

Four Quadrants

4a. Match coordinates with the points on the grid.



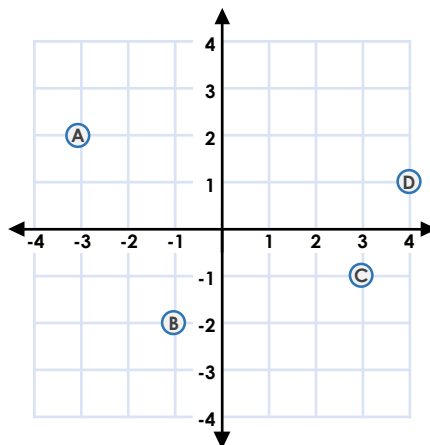
(2, 3)
(2, -2)
(-1, 3)
(-4, -1)
(0, -3)



6 VF

Four Quadrants

4b. Match coordinates with the points on the grid.

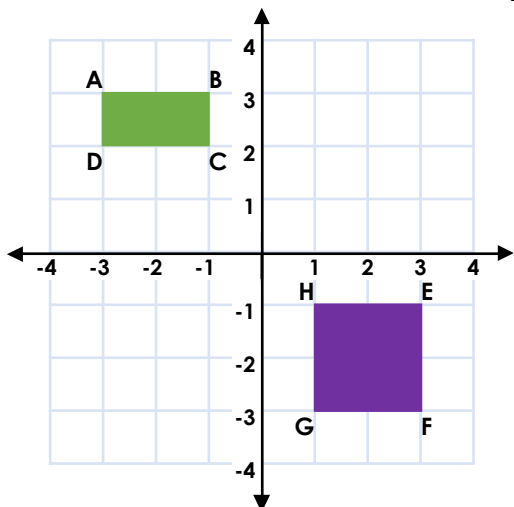


(-1, -2)
(3, -1)
(4, 1)
(-3, 2)
(-2, 4)



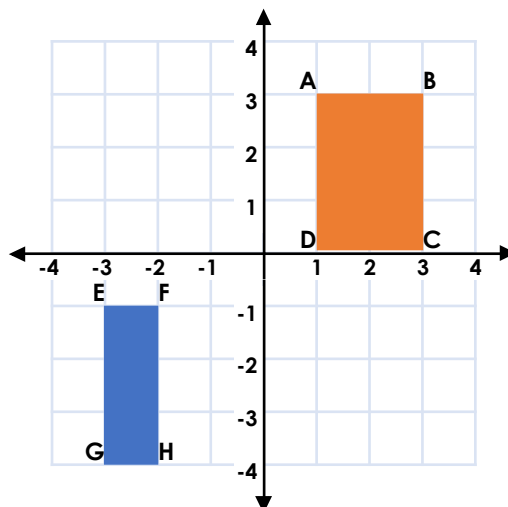
6 VF

5a. Write the coordinates of each shape.



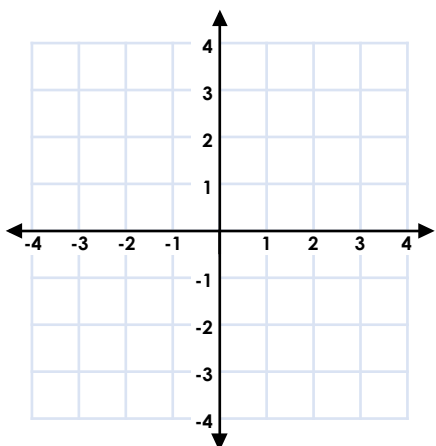
6 VF

5b. Write the coordinates of each shape.



6 VF

6a. Plot the coordinates to draw the shapes. What shapes have you drawn?

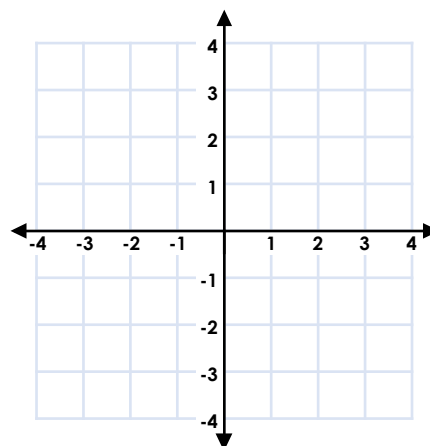


(0, 1)
(-4, 1)
(-3, 3)
(-1, 3)
(1, -1)
(4, -1)
(0, -3)
(3, -3)



6 VF

6b. Plot the coordinates to draw the shapes. What shapes have you drawn?



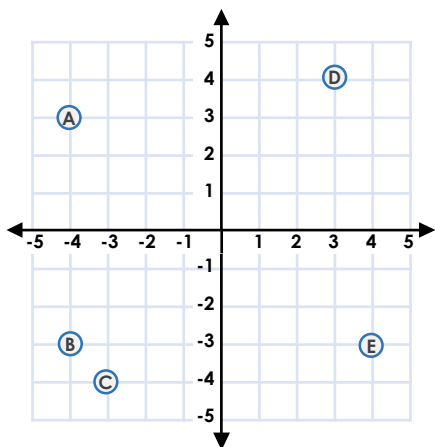
(0, 2)
(1, 1)
(1, 3)
(4, 2)
(-3, -1)
(-2, -4)
(-1, -1)
(-2, -2)



6 VF

Four Quadrants

7a. Match the coordinates with the points on the grid.



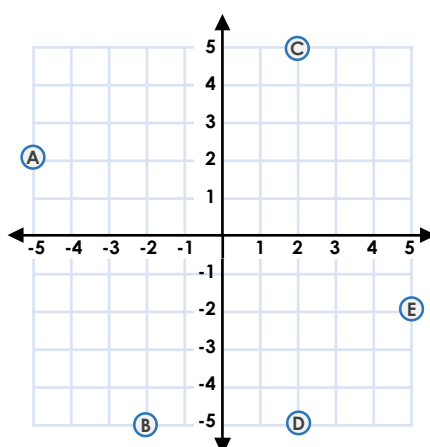
(4, -3)
(-4, 3)
(3, 4)
(3, -4)
(-4, -3)
(-3, 4)
(-3, -4)



6 VF

Four Quadrants

7b. Match the coordinates with the points on the grid.

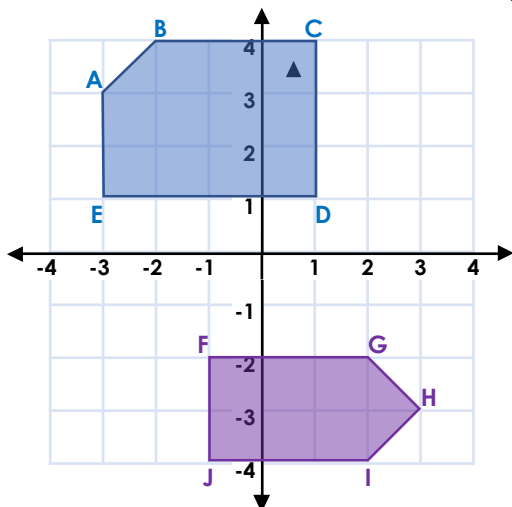


(-2, 5)
(5, -2)
(-2, -5)
(2, -5)
(-5, -2)
(2, 5)
(-5, 2)



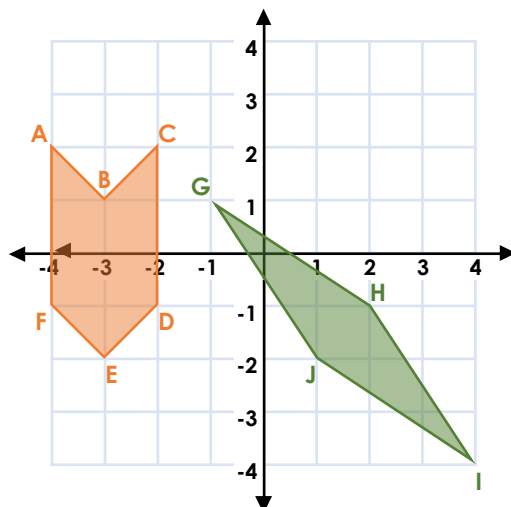
6 VF

8a. Write the coordinates of each shape.



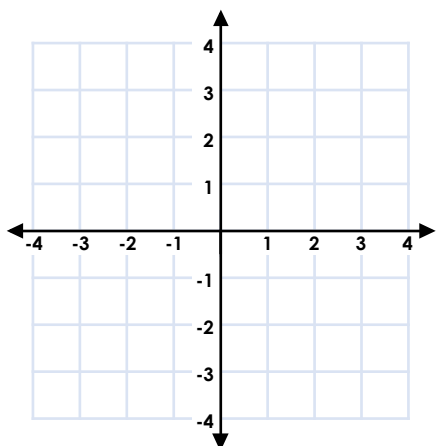
6 VF

8b. Write the coordinates of each shape.



6 VF

9a. Plot the coordinates to draw the shapes. What shapes have you drawn?

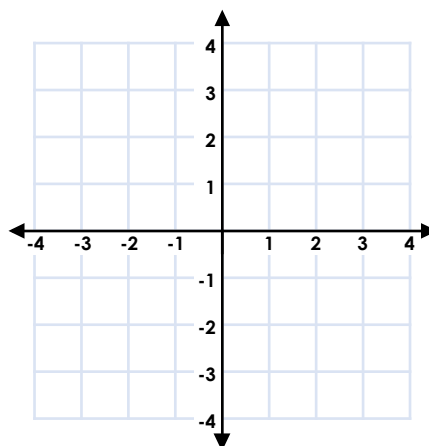


(-1, -1)
(-3, -2)
(-2, -4)
(0, -4)
(1, -2)
(-1, 3)
(-1, 1)
(1, 1)
(1, -1)
(3, -1)
(3, 3)



6 VF

9b. Plot the coordinates to draw the shapes. What shapes have you drawn?



(1, 2)
(2, 2)
(3, 1)
(3, 0)
(2, -1)
(1, -1)
(0, 0)
(0, 1)
(-3, 2)
(-1, -3)
(2, -3)



6 VF

Varied Fluency Four Quadrants

Developing

- 1a. A (-2, 2), B (1, 3), C (3, 1)
2a. A (1, 3), B (3, 3), C (3, 1), D (1, 1)
3a. Rectangle

Expected

- 4a. A (-4, -1), B (-1, 3), C (2, 3), D (2, -2)
5a. A (-3, 3), B (-1, 3), C (-1, 2), D (-3, 2),
E (3, -1), F (3, -3), G (1, -3), H (1, -1)
6a. Trapezium and parallelogram

Greater Depth

- 7a. A (-4, 3), B (-4, -3), C (-3, -4), D (3, 4),
E (4, -3)
8a. A (-3, 3), B (-2, 4), C (1, 4), D (1, 1),
E (-3, 1), F (-1, -2), G (2, -2), H (3, -3),
I (2, -4), J (-1, -4)
9a. Pentagon and irregular hexagon

Varied Fluency Four Quadrants

Developing

- 1b. A (-4, 2), B (-1, 3), C (3, 4)
2b. A (-3, 3), B (-2, 3), C (-2, 1), D (-3, 1)
3b. Square

Expected

- 4b. A (-3, 2), B (-1, -2), C (3, -1), D (4, 1)
5b. A (1, 3), B (3, 3), C (3, 0), D (1, 0),
E (-3, -1), F (-2, -1), (-3, -4), H (-2, -4)
6b. Kite and arrowhead (irregular quadrilateral)

Greater Depth

- 7b. A (-5, 2), B (-2, -5), C (2, 5), D (2, -5),
E (5, -2)
8b. A (-4, 2), B (-3, 1), C (-2, 2), D (-2, -1),
E (-3, -2), F (-4, -1), G (-1, 1), H (2, -1),
I (4, -4), J (1, -2)
9b. Octagon and scalene triangle