## **Co-ordinates in four quadrants**



(6, 4)(-6, 4)(4, 0)(-1, 1)(6, -4)(-4, 6)(1, -1)(0, 4)

- (4, -6)
- (0, -4)
- (-4, -6)
- (-1, -1)



(4, 6)

## 1. Write down the co-ordinates for the points labelled A-Q.



## Extension:

3. (-1,3) (5,3) (5,7) are 3 vertices of a rectangle. Plot these points.

a) What is the co-ordinate of the last vertices?

b) What are the co-ordinates of the midpoint of each side? Plot and label each one.

b) What is the co-ordinate of the centre of the rectangle?

4. (-3,4)(-2,1)(-5,0) are 3 vertices of a square. Plot these points.

a) What is the co-ordinate of the missing vertices?

b) What is the co-ordinate of the centre of the square?

5. Plot (-4,-3) (5,-7) and draw a line between them.Plot (-4,-8) (5,-7) and draw a line between them.What is the co-ordinate of the point of intersection?