**Co-ordinates in four quadrants**

****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?

2. Plot the points and join them ***in order*** with a straight line.

(4, 6)

(1, 1)

(6, 4)

(4, 0)

(6, -4)

(1, -1)

(4, -6)

(0, -4)

(-4, -6)

(-1, -1)

(-6, -4)

(-4, 0)

(-6, 4)

(-1, 1)

(-4, 6)

(0, 4)

(4, 6)