Co-Ordinate Geometry

1)Among the points given below some of the points lie on X-axis. Identify them.
 (i) (0,5)   (ii) (0,0)   (iii) (3,0)
 (iv) (-5,0)   (v) (-2,-3)   (vi) (-6,0)
 (vii) (0,6)   (viii) (0,a)   (ix) (b,0)

2) Which axis the points such as (0, x) (0, y) (0,2) and (0,-5) lie on? Why ?

3) What is the general form of the points which lie on X-axis?

4) Write the quadrant in which the following points lie?
   i) (-2, 3)   ii) (5, -3)   iii) (4, 2)   iv) (-7, -6)
   v) (0, 8)   vi) (3, 0)   vii) (-4, 0)   viii) (0, -6)

5) Write the following based on the graph.
   i) The ordinate of L
   ii) The ordinate of Q
  iii) (-2, -2) is denoted by
  iv) (5, -4) is denoted by
   v) The abscissa of N
  vi) The abscissa of M

6) Plot the following points in the Cartesian plane
   (i) M (-2, 4),   (ii) A (-5, -3),   (iii) N (1, -6)

7) Plot the points T(4, -2) and V(-2, 4) on a cartesian plane. Whether these two
   coordinates locate the same point?

8) Following points on a Cartesian plane.
    1. B (-2, 3) 2. L (5, -8) 3. U (6, 4) 4. E (-3, -3)

9) Plot the points (0, 0) (0, 3) (4, 3) (4, 0) in graph sheet. Join the points in order with
    straight lines to make a rectangle. Find the area of the rectangle.

10) Plot the points (2, 3), (6, 3) and (4, 7) in a graphsheet. Join them to make it a triangle.
     Find the area of the triangle.