Bal Bharati PUBLIC SCHOOL
RGPPL RATNAGIRI

ACADEMIC YEAR 2022-23
Worksheet No. 2
Subject:MATHEMATICS

Class : IX - CH-3- COORDINATE GEOMETRY

1. Point (0, –2) lies in the:
   (a) on the negative direction of x – axis (b) on the negative direction of y – axis
   (c) in the I quadrant (d) in the II quadrant

2. Abscissa of the all the points on x – axis is:
   (a) 0 (b) 1 (c) –1 (d) any number

3. Ordinate of the all the points on x – axis is:
   (a) 0 (b) 1 (c) –1 (d) any number

4. Abscissa of the all the points on y – axis is:
   (a) 0 (b) 1 (c) –1 (d) any number

5. Ordinate of the all the points on y – axis is:
   (a) 0 (b) 1 (c) –1 (d) any number

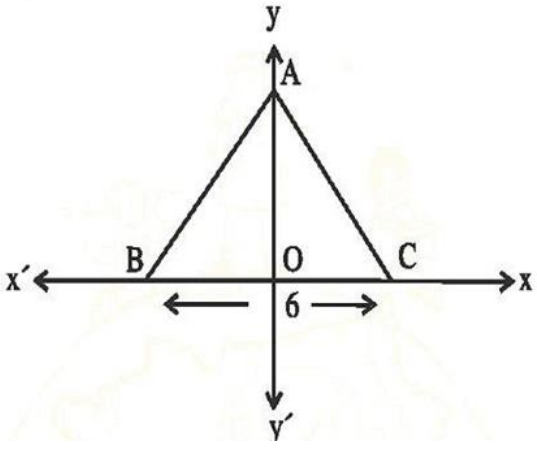
6. A point both of whose coordinates are negative will lie in:
   (a) I quadrant (b) II quadrant (c) x – axis (d) y – axis

7. Locate the points (5, 0), (0, 5), (2, 5), (5, 2), (–3, 5), (–3, –5), (5, –3) and (6, 1) in the Cartesian plane.

8. Draw the line passing through (2, 3) and (3, 2). Find the coordinates of the points at which this line meets the *x*-axis and *y*-axis.

9. Plot the following points and write the name of the figure thus obtained : P(–3, 2), Q (–7, –3), R (6, –3), S (2, 2)

10 ABC is an equilateral triangle as shown in the figure. Find the coordinates of its vertices.



****