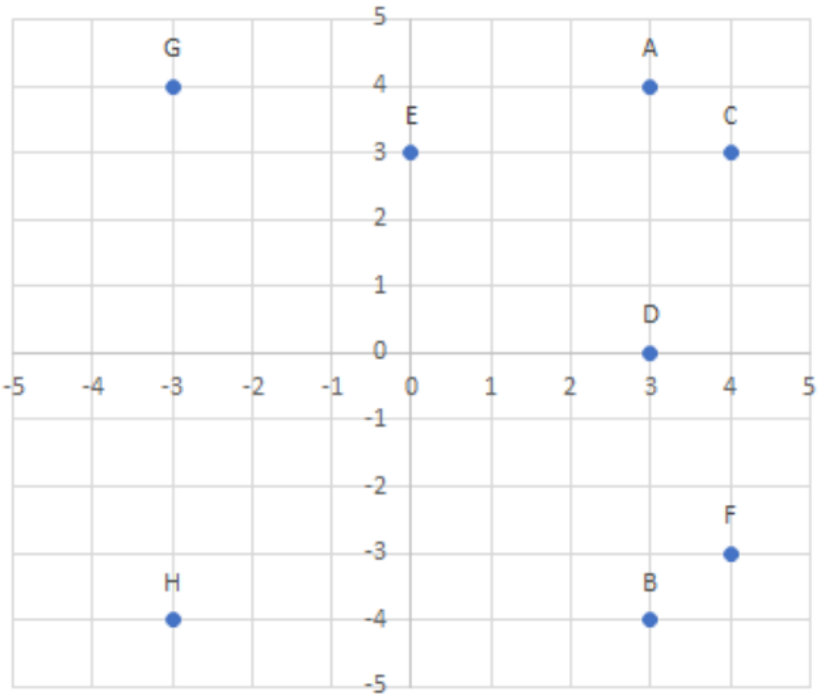
INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

3. COORDINATE GEOMETRY

Name: _____ Date:_____ Class: IX Sec: ___

1.	Which quadrant has negative x and positive y values? (a) First quadrant (b) Second quadrant (c) Third quadrant (d) Fourth quadrant
2.	If the x-coordinate of a point is 0, where does it lie? (a) On the x-axis (b) On the y-axis (c) At the origin (d) In the first quadrant
3.	What is the distance between the points (2, 3) and (4, 3)? (a) 1 unit (b) 2 units (c) 3 units (d) 4 units
4.	What is the midpoint of the line segment joining (2, 4) and (6, 8)? (a) (4, 6) (b) (3, 6) (c) (5, 7) (d) (4, 7)
5.	Points A(5, 3), B(-2, 3), and D(5, -4) are three vertices of a square ABCD. What are the coordinates of vertex C? a) (-2, -4) b) (-2, 3) c) (5, -4) d) (3, -2)
6.	A point that lies on both the x-axis and y-axis is: (a) (0,0) (b) (1,1) (c) (0,1) (d) (1,0)
7.	If the coordinates of two points P and Q are (2, -3) and (-4, 5) respectively, and R is the midpoint of PQ, then the coordinates of R are: (a) (1, -1) (b) (-1, 1) (c) (2, 2) (d) (-2, 2)
8.	The y-coordinate of a point on the x-axis is: (a) 0 (b) 1 (c) any real number (d) undefined
9.	The point where the x-axis and y-axis intersect is called: (a) Origin (b) Quadrant (c) Abscissa (d) Ordinate
10.	The abscissa of a point on the y-axis is: (a) 0 (b) 1 (c) any real number (d) undefined
11.	The x-coordinate of a point on the x-axis is: (a) 0 (b) 1 (c) any real number (d) undefined
12.	The points $(-5,2)$ and $(2,-5)$ lie in the _____Quadrants respectively.
13.	Abscissa of a point is positive in _____Quadrants.
14.	Mirror image of the point $(9,-8)$ in y-axis is _____.
15.	The coordinates of the point which lies on y-axis at a distance of 4 units in the negative

	direction of y-axis is _____.
16.	If the points $A(2,0), B(-6,0)$ and $C(3, a-3)$ lie on the X-axis, then the value of a is _____.
17.	Abscissa of all the points on y-axis is _____.
18.	Ordinate of a point is negative in _____quadrants.
19.	If (x + 2, 4) = (5, y – 2), then coordinates (x, y) are_____
20.	The point which lies on Y-axis at a distance of 6 uints in the positive direction of Y-axis is _____.
21.	Plot the $points$ $A(3,0), B(-5,0)$ and $C(0,4)$ on a graph paper and find the area of the figure formed.
22.	Plot the points $A(-2,0)$, $B(0,-2)$, $C(2,0)$ and $D(0,2)$ on the graph and then find the area of the figure formed.
23.	Check by plotting on the graph paper if $(1,1)$, $(-2,-2)$, $(3,3)$, $(-1,-1)$ are collinear or not?
24.	 Write the coordinates for the points shown in the above graph.