



INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic : Co-ordinate	Date of Worksheet : 29-5-2019
Worksheet No:3	Geometry	
Resource Person: Mrs.Sunitha Rajeev		Date : _____
Name of the Student : _____ Class & Division : IX ... Roll Number : ____		

	Section A (Basic Skill)	Marks
1.	Simplify: $(11.5 \times 4.3) + (0.4 \times 0.3)$	1
2.	Find the LCM of 12, 36, 18	1
3.	Find the HCF of 125, 45	1
4.	Simplify $(200 + 10.5) - (19 + 2.05)$	1
	Section B	
1.	In which quadrant do the following points lie ? (A) (-5, 2) (B) (-9, -11) (C) (7, -2) (D) (20,6)	2
2.	In which quadrant will the point lie, if: (i) The ordinate is 2 and the abscissa is -3 ? (ii) The abscissa is -4 and the ordinate is -2 ? (iii) The ordinate is 12 and the abscissa is 4 ? (iv) The ordinate is -5 and the abscissa is -2 ?	2
3.	Plot the point A(1, 3), B(1, -1), C(-1, -1). What must be the coordinate of the point D, if ABCD is a rectangle?	2
4.	If $(x + 2, 4) = (5, y - 2)$, then find (x, y) ?	2
5.	Plot (-3, 0), (5, 0) and (0, 4) on Cartesian plane. Name the figure formed by joining these points.	3
6.	A point lies on x-axis at a distance of 9 units from y-axis. What are its co-ordinates ? What will be the co-ordinates of a point if it lies on y axis at a distance of -9 units from x-axis?	3
7.	Plot the points A(0,3), B(5,3), C(4,0) and D(-1,0) on the graph paper. Identify the figure ABCD and find if the point (2, 2) lies inside the figure or not?	4
8.	Plot the points A(4,0) and B(0,4). Join AB to the origin O. Find the area of Δ AOB.	4
	Section C	
1.	If $(2-a + b, b) = (6, 2)$, then what will be the value of a.	3
2.	Calculate the area of triangle formed by joining the points (4,0), (0,0) and (0,4).	3
3.	Find the co-ordinates of the vertices of a rectangle placed in III quadrant in the Cartesian plane with length 'p' units on x-axis and breadth 'q' units on y-axis.	4
4.	(i) Plot the points A(0,4), B(-3,0), C(0,-4), D(3,0). (ii) name the figure obtained by joining the points A, B, C, D. (iii) Also, name the quadrants in which sides AB and AD lie.	4