ST. LAWRENCE HIGH SCHOOL

TOPIC – Graph

Subject : Mathematics   **Class-9**   **First Term**   **F. M. 15**

WORKSHEET NO. - 8   **Solutions**   **Date: 08.02.2021**

Q.1)   **Choose the correct option:**   **(1x15=15)**

i)   If the y co - ordinate of a point is zero,, then the position of the pint will be
     c) on x - axis

ii)   The position of the points (-7,3) and (3, -7) are
     c) in 2nd and 4th quadrant

iii)   If the abscissa of a point be positive, then the position of the point will be
     b) 1st and 4th quadrant

iv)   The points whose abscissa and ordinate are of different signs will lie in
     d) 2nd and 4th quadrant

v)   If the co ordinates of two points are A(- 4, 5), and B(- 5, 7), then (abscissa of A) – (abscissa of B) is
     b) 1

vi)   The line joining (- 2, 3) and (- 6, - 9) intersects
     d) none of these

vii)   The line joining a point in the first quadrant and a point in the third quadrant intersects
     a) –ve direction of x axis and +ve direction of y axis or +ve direction of x axis and –ve direction of y axis

viii) The line joining a point in the first quadrant and a point in the fourth quadrant
     c) partly lies in the 1st quadrant and partly in 4th quadrant

ix)   The line joining a point in the first quadrant and a point in the third quadrant
     b) 1st, 2nd, 3rd or 1st 3rd, 4th quadrant

x)   The line joining two points lies in the first and second quadrant
     a) lies in 1st and 2nd quadrant

xi)   he distance of the point (6,-8) from the x-axis is _____ units.
     a)   8

xii)   The point (-2,-7) lies in _____ quadrant.
     c) 3rd

xiii) The area of the triangle formed by the straight line x+y = 4 with x and y axes is _____.
     a)   8 square units

xiv) The coordinates of the point which lies on the negative direction of y-axis and on y-axis at a distance of 5 units is _____.
     c) (0,-5)

xv) The perpendicular distance of a point A from x-axis is 5 units and the foot of the perpendicular lies in the negative direction of x-axis. Then the ordinate of A is _____ .
     d) 5 or -5

-Chaitali Roy