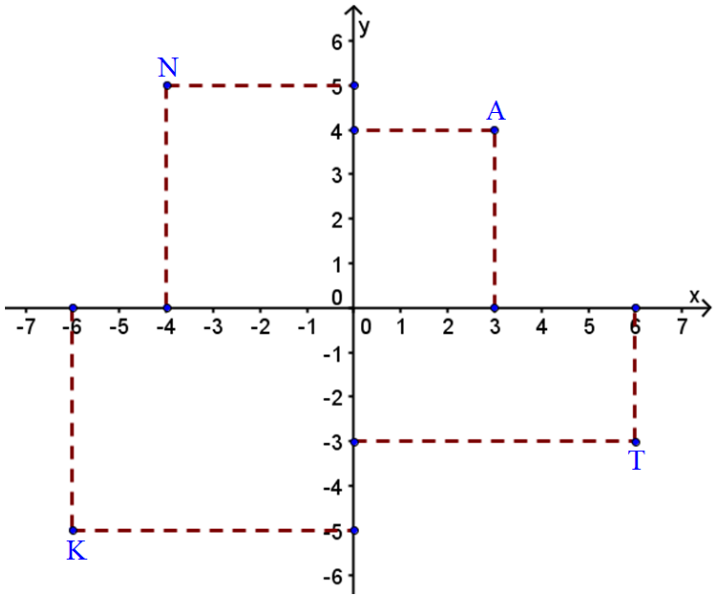
Practice Assignment 1A

1: Look at the given graph and complete the following statements:



(i) The abscissa and the ordinate of the point A are __ and __, respectively. Hence the coordinates of A are (__, __).

(ii) The x-coordinate and the y-coordinate of the point N are __ and __, respectively. Hence the coordinates of N are (__, __).

(iii) The x-coordinate and the y-coordinate of the point K are __ and __, respectively. Hence the coordinates of K are (__, __).

(iv) The x-coordinate and the y-coordinate of the point T are __ and __, respectively. Hence the coordinates of T are (__, __).

2: Define origin and quadrants of the Cartesian System.

3: In which quadrant or on which axis do each of the points $(-1,3),(2,-3),(-2,0),(3,5)$ and $(-4,-7)$ lie?

4: Plot the point (x, y) given in the following table on the plane, choosing suitable units of distance on the axis.

x	-1	-3	0	2	5
y	6	8	2.25	5	-3

5: A point whose abscissa and ordinate are 3 and -7 respectively, lies in which quadrant?

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6: In which quadrant or on which axis do each of the points $(-3,0)$ and $(9,0)$ lie?

7: What is the ordinate of any point on *x*-axis?

8: What is the abscissa of any point on *y*-axis?

9: In which quadrants the abscissa of a point is positive?

10: In which quadrant does a point whose abscissa is –5 and ordinate 3 lies?

11: What is the perpendicular distance of the point Q (7, 5) from *x*-axis?