

9 Class Math Tuition Assignment

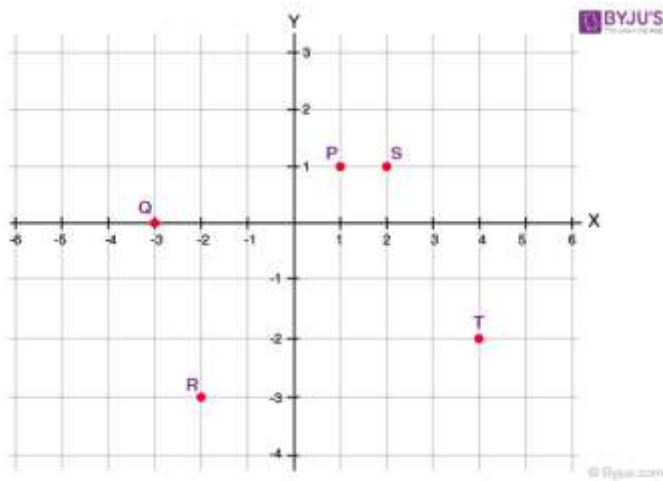
Assignment – 3

Assigned To = All 9 Class Students

Chapter = COORDINATE GEOMETRY

MM = 20

Q1. Write the coordinates of each of the points P, Q, R, S, T and O from the figure given



Q2. Plot the following points and check whether they are collinear or not:

- (i) $(1, 3)$, $(-1, -1)$, $(-2, -3)$
- (ii) $(1, 1)$, $(2, -3)$, $(-1, -2)$
- (iii) $(0, 0)$, $(2, 2)$, $(5, 5)$

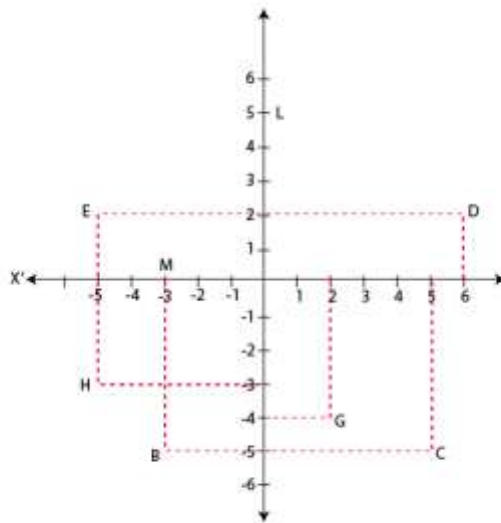
Q3. Without plotting the points indicate the quadrant in which they will lie, if

- (i) the ordinate is 5 and abscissa is -3
- (ii) the abscissa is -5 and ordinate is -3
- (iii) the abscissa is -5 and ordinate is 3
- (iv) the ordinate is 5 and abscissa is 3

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Q4. See figure and write the following:

1. The coordinates of B.
2. The coordinates of C.
3. The point identified by the coordinates $(-3, -5)$.
4. The point identified by the coordinates $(2, -4)$.
5. The abscissa of the point D.
6. The ordinate of the point H.
7. The coordinates of the point L.
8. The coordinates of the point M.



Q5. Plot the points (x, y) given in the following table on the plane, choosing suitable units of distance on the axes.

x	-2	-1	0	1	3
y	8	7	-1.25	3	-1

Q6. Write the answer to each of the following questions:

- (i) What is the name of the horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane?
- (ii) What is the name of each part of the plane formed by these two lines?
- (iii) Write the name of the point where these two lines intersect