

INTRODUCTION TO GRAPHS**VARIABLE****EXERCISE**

Q.1 Find the distance of the following points from both x and y axis

$(0, 3), (5, -2), (-3, 4), (7, 3), (8, 17), (15, 3), (7, 7)$.

Q.2 Find the distance of the following points from origin $(3, 4), (1, 1), (-5, -12), (9, 40)$.

Q.3 Find the distance between

(i) $A(-5, 0)$ and $B(7, 0)$

(ii) $P(0, 3)$ and $Q(0, -2)$

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Q.4 The horizontal axis is called axis.

Q.5 The coordinates of a point on axis are $(0, y)$.

Q.6 The coordinates of origin are

Q.7 The abscissa of the point $(-3, 2)$ is

Q.8 The ordinate of a point on the x-axis is

Q.9 If both abscissa and ordinate of a point are negative, it lies in the quadrant.

ANSWER KEY

1. 3, 0 ; -2, 5 ; 4, -3 ; 3, 7 ; 17, 8 ; 3, 15 ; 7, 7

2. $5, \sqrt{2}, 13, 41$ units.

3. (i) 12 (ii) 5

4. X

5. Y

6. (0, 0)

7. 4, -3

8. 0

9. III