INNOVATIVE CLASSES

MATHS BY- KARTIKAY MODANWAL (8765179840)

(10th)(TEST ON –COORDINATE GEMOTERY)

1. If O (m, 2) is the midpoint of the line segment joining the points Q (-7 , 3) and R (-5 , 1) , then find the value of m. [2M]

2. Determine the ratio in which the line segment joining the points A (1, -1) and B (4, 9) is divided by the line 3x – 2y + 4 = 0 [3M]

3. If the co-ordinates of the mid points of sides AB, BC and CA of ∆ABC are (1, 1), (2, -3) and (3, 4) respectively, then find the co-ordinates of the centroid . [4M]

4. Find the distance between the points A(8, -2)and b (3, -6). [1M]
5. Find the value of x for which the distance between the points P(2, -3)and Q(x, 50) is 10units. [2M]
6.Prove that the points A(-3,0), B(1,-3) and C(4,1) are the vertices of an isosceles right- angled triangle . [4M]
7.Find the coordinates of the point which divides the line segment joining the points (3,5) and (7,9) internally in the ratio 2:3 . [2M]
8.Find the length of the median through the vertex A (95,10) drawn to the triangle ABC where other two vertices are B (1,5) and C (-3,-1) . [4M]
9. Find the value of k if the points A(2,3), B(4,k) and C(6,-3) are collinear. [3M]
10. Coordinates of houses of sonu and labhoo are (7,3) and (4,3) respectively. The coordinates of their school are (2,2) . If both leave their house at the same time in the morning and also reach school in time then (a) who travel faster and (b) which value is depicted in the question? [4M]

BEST OF LUCK 👍