Coordinate Geometry : Worksheet -3

1. The point of intersection of the medians of a triangle whose vertices

   are (-1 , 0) ,(5 , -2) and (8 , -2) is _ _ _ _ _ _ _ _ _ _ _

2. Area of the triangle whose vertices are (0,0),(6,0) and (0,8) is _ _ _ _ _ _

3. Distance of the point (a , b) from the origin is _ _ _ _ _ _ _ _ _ _ _

4. The ends of a diameter of a circle are (3 , 2) and (5 , -4) its centre is

   _ _ _ _ _ _ _ _

5. The point of intersection of x = h and y = k is _ _ _ _ _ _ _ _ _ _ _

6. If A = (-4 , a) ; B =(2 , 8) and mid point of $\overline{AB}$ is (-1 , 5) , then

   a = _ _ _ _

7. PQRS is a parallelogram and Q=(-2,-1),R=(0,3) ; S=(4,0) then

   P =_ _ _ _ _ _

8. If A = (-3 , 4) and B = (2 , 1) and AB is produced to C such that

   AC= 2BC. The coordinates of C are _ _ _ _ _ _ _ _ _ _ _

9. Two vertices of a triangle are (3 , 2) and (-3 , 4) and the centroid is

   (1, 0). Then the third vertex is _ _ _ _ _ _ _ _ _ _ _

10. The triangle whose vertices are (-1,0),(0,$\sqrt{3}$) and (1,0) is an _ _ _ _

    triangle.

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