	DCM CCHOOL DAGANT AVENUE DUCDI LUDULANA	
	BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA CLASS-X (MATHEMATICS)	
	ASSIGNMENT (NOVEMBER, 2023) TOPIC: COORDINATE GEOMETRY	
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1.	If $O(p/3, 4)$ is the midpoint of the line segment joining the points $P(-6, 5)$ and $Q(-2, 4)$	1
	3), the the value of p is: (a) 7/2 (b) -12 (c) 4 (d) -4	
2.	The distance of the point P(-6, 8) from the origin is	1
۷.	(a) 8 units (b) $2\sqrt{7}$ units (c) 10 units (d) 6 units	ا ا
3.	Assertion: The points (1,5) lies on the perpendicular bisectors of line	1
J.	segment joining the points p(6,5) Q(1,10)	
	Reason: The ordinate of points A on y axis is 5 and B has coordinates(-3,1)	
	then the length of AB is 5 units.	
	a.) Both Assertion and Reason are correct and Reason is the correct	
	explanation for Assertion	
	b.) Both Assertion and Reason are correct and Reason is not the correct	
	explanation for Assertion.	
	c.) Assertion is true but the reason is false.	
	d.) Both assertion and reason are false.	١,
4.	Find the ratio in which the line $x - 3y = 0$ divides the line segment joining	1
	the points (-2, -5) and (6, 3). Find the coordinates of the point of	
	intersection.	!
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5.	Two vertices of \triangle ABC are A(-1, 4) and B(5, 2) and its centroid is G(0, -3).	-
	Find third vertex.	
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