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(Affiliated to CBSE up to +2 Level)

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SUB.: MATHEMATICS

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	DO 1	our sen			
		0; $a_2x + b_2y + c_2 = 0$ is said to be inconsistent,			
(a) $\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$	(b) $\frac{a_1}{a_2} = \frac{b_1}{b_2}$	$\neq \frac{c_1}{c_2}$			
(c) $\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$	$(d) \frac{a_1}{a_2} \neq \frac{c_1}{c_2}$	1 2			
2. Graphically, the pair of e	quations 7x - y =	= 5; $21x - 3y = 10$ represents two lines which			
are					
(a) intersecting at one-poin		(b) parallel			
(c) intersecting at two poin	ts	(d) coincident			
3. The pair of equations 3x	-5y = 7 and $-6x$	x + 10y = 7 have			
(a) a unique solution	•	(b) infinitely many solutions			
(c) no solution		(d) two solutions			
4. If a pair of linear equatio	ns is consistent.	then the lines will be			
(a) always coincident		(b) parallel			
(c) always intersecting		(d) intersecting or coincident			
5. The pair of equations x =	0 and $x = 5$ has				
(a) no solution	0 1111	(b) unique/one solution			
(c) two solutions		(d) infinitely many solutions			
6. The pair of equation $x = -$	- 4 and v = - 5 gr	aphically represents lines which are			
(a) intersecting at (- 5, - 4)	, ,	(b) intersecting at (-4, -5)			
(c) intersecting at (5, 4)		(d) intersecting at (4, 5)			
7. For what value of k, do the coincident lines	ne equations 2x -	-3y + 10 = 0 and $3x + ky + 15 = 0$ represent			
(a) $\left(\frac{-9}{2}\right)$	(b) - 11				
(c) $\frac{9}{2}$	(d) - 7				
8. If the lines given by 2x +	ky = 1 and 3x - 5	by = 7 are parallel, then the value of k is			
(a) $\frac{-10}{3}$	(b) $\frac{10}{3}$				
(c) - 13	(d) - 7				

9. One equation of a pair of dependent linear equations is 2x + 5y = 3. The second equation will be

(a)
$$2x + 5y = 6$$

(b)
$$3x + 5y = 3$$

(c)
$$-10x - 25y + 15 = 0$$

(d)
$$10x + 25y = 15$$

10. If x = a, y = b is the solution of the equations x + y = 5 and 2x - 3y = 4, then the values of a and b are respectively

(d) - 7