





TOPIC – Simultaneous Linear Equation

Subject : Mathematics	Class-9	F. M. 15	
WORKSHEET NO 3	First term	Date: 23.0	01.2021
Q.1) Choose the correct of	option:		(1x15=15)
a) 1	3x + 4y = 5 and 4mx - 3y = 2 b) 2 3x - py = 1 and qx + 2y = 2 a	c) 3/4	d) 4/3
a) 2p + 3q = 1	b) $2p-3q=0$	c) 2p + 3q = 0	d)2q - 3p = 0
, , ,	+ 4y = 5 and 3x + ky = 6 have		, , ,
a) -4	b) 5	c) 4	d) 6
iv) If x = 3t and y = $\frac{t}{2}$ - 1, the	en		
a)x + 6y = 6	b) $x + 6y = -6$	c)x - 6y	y = -6 d)x - 6y = 6
v) If x = 2t and y = $\frac{t}{3}$ -1,	and x = 3y, then		
a) t = - 3	b) t = 3	c)t = 3,	′2 d)t = - 3/2
vi) The solution of the equa	tions $kx + (k-1)y = 1$ and (k-1) x - ky = 1 is possib	le when
a)k = 1/2	b) $k = \pm 1/2$	c) k =	$\pm \frac{1}{\sqrt{2}}$ d)k = $\frac{1}{\sqrt{2}}$
vii) The condition for wh	nich the equations $a_1x + b_1y$	$+ c_1 = 0$ and $a_2x + b_2y + c_3$	$_2 = 0$ have infinite solutions is
$a)\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$	_	$=\frac{b_1}{b_2}=\frac{c_1}{c_2}$ d)N	
viii)In a number if digit in u			
a) xy	b)x+y	c) 10	x + y d) 10y + x
ix) If $(x-p-q)^2 + (y+q)^2 =$			
a) p	b) q	c) p + q d)p - q	
x) If $(3x + 2y - 12)^2 + (x + 2a)$	b) 2c) -1 d) 0	or x - y is	
xi)The solution of the equat		= 3 is not possible if the v	alue of k is
a) 1		c) 5d)- 5	
xii) If x + 2t = 1 and is $\frac{y}{2}$ + t =			
a) 2	b)0	c) 1	d)- 1
xiii) If $\frac{x}{y} = \frac{5}{16}$ and x + y = 21,	then the value of (x - y) is	·	,
a) 11	b)-11	-	
xiv) If x + 2t ² and y = $\frac{t}{2}$ + 1, t	hen for what value of t, x =	2y holds	
a) 2/3, -1 b)	- 2/3, -1 c) 1, 1	d) -2/3, 1	
xv) The value of k for wh	nich the equation $x = \frac{5}{3k-1}h$	as no solution is	
a) k = 3 b) k	c = -3 $c) k = -3$	1/3 d) k = 1/3	