This book 9) Ques A) (-1,! B) (-5,! C) (-5,	has permission to us tion: Solve the equ 5x + 10y = 2y - 6x = - 5) 5) 4)	te the "N&K method of COL Lations below to find the 25 40	ORS". e value of (x, y)
D) (-5,3	3)		
For speed WRITE o	<mark>1,</mark> while solving son nly the words in ot	nething similar, only THI her C <mark>OL</mark> ORS.	INK the words in blue;
Solution:			
Given	5x + 10y	= 25	equation # 1
	-		
Road Ma First, Second, Third,	<i>Solution</i> Subtract eq # 2 f Solve and find Substitute the	rom 1. the value of "x". value of "x" in eq # 1 ai	nd find the value of "y".
Before w	ve can <mark>s</mark> ubtract eq	2 from 1, we have to n	n <mark>odify it.</mark>
We will i	multiply both side	es of eq # 2 with 5. On (	doing so, we will get.
{	$\{2y - 0x\} \times \{2y - 0x\}$	$= \{40\} \times (5)$ = $\{200\}$	equation # 20
C C	10y - 30x	= 200	equation#2b
Therefor To subtr {-	re, to <mark>subtract eq</mark> cact, we will also r 5x + 10y { 10y - 30x} × (- -10y + 30x} -10y + 30x	2c from 1, we will write nultiply both sides of e = 25 1) = {200} × (-1) = {-200} = -200	e eq#1 followed by eq#2b. eq#2b with <mark>1</mark> . equation # 1 equation # 2b times (-1) equation # 2c
From eq	#1 & eq#2c, we ge	et,	
-	5x + <del>10y</del>	= 25	equation # 1
-	– <del>10y</del> + 30x	= -200	equation # 2c
	35x	= -175	equation # 3

Dividing both sides of the equation # 3, with 35, we get, -5 х = equation # 3b Substituting this value of "x" in equation # 1, we get equation # 1 5x + 10y25 = 5(-5) + 10y25 = -25+ 10y = 25 Adding 25 to both sides of the equation # 3, with 35, we get, needsWork { -25 +10y + 25 = { **25**} + **25** +10y + 25 =-25 25 + 25 -25 +10y + 25 =**50** 10y 50 = = 5 у

*Answer:* (x, y) = (-5, 5)