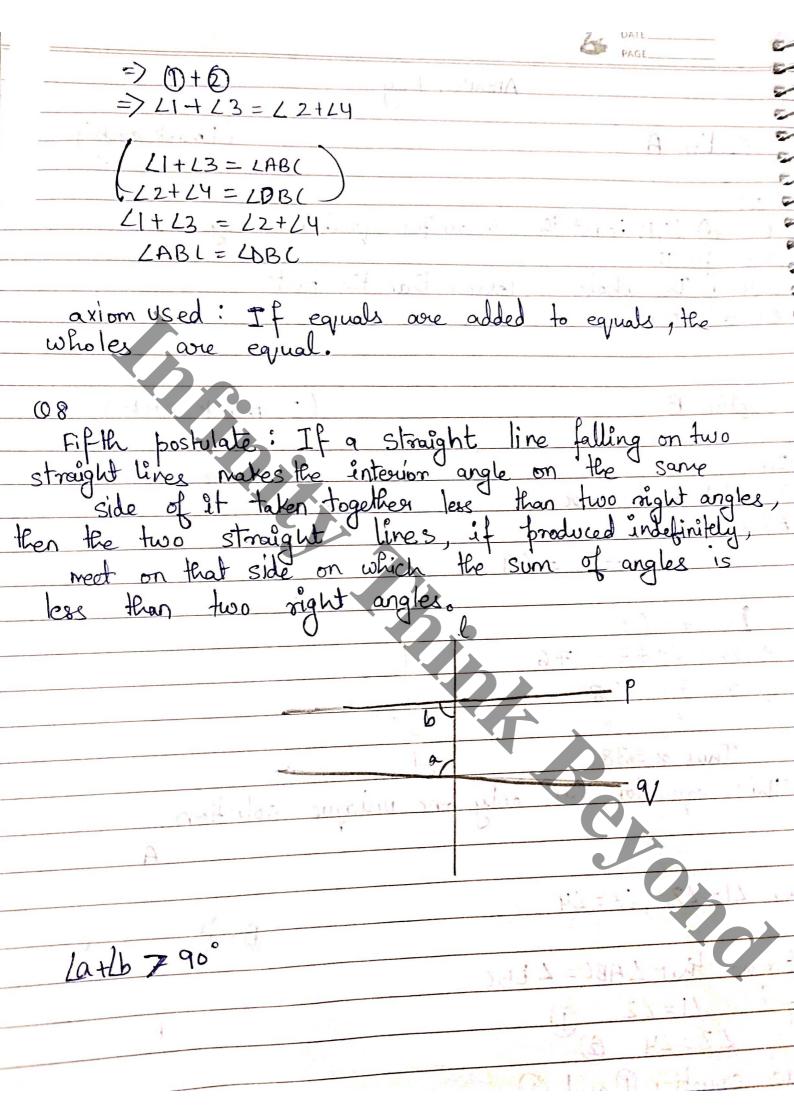


AN EDUCATIONAL INSTITUTE

UTS 02 Mathematice -IX Prepared BY Vedaansh Bhati(Infinity's Brilliant Student) From K R Mangalam School

A	DATE
Answey	Key
= Section A	
	(I mark each)
01	The state of the s
02 d UNis not the Ali of	
02 d) (1,1) is not the solution of	or equation n+2y=4
04 d) The whole is lessen 1	
05 d) (0,-5)	than the fault
	to some it is both who
	· (1997-1997) 2000 - 11-199-10
Section B	
260.011 ·S	(2 mark each)
06	the particular stand
(i) let number = n.	West of the day of a spirit
ATQ.	may part what it is the
	de la
2n-7=69	A CONTRACT OF THE CONTRACT OF
) 7 (0	State of the state
(ii) $2x-7=69$	
=> 2n=69+7=76	
$\Rightarrow n = \frac{76}{1} = \frac{38}{3}$	
Thus x = 38	, 11,
(111) This equation has only or	re unique solution.
	A
Q7	(3)
Given L1=12, L3=24	B (1/2)
	(a)
To prove that LABL = LBBC	<u> </u>
Proof: 11= 12 (1) 13= 24 (2)	Ъ
add equation () and (2)	DIG TO A STATE OF THE STATE OF
Single Control of the	



Section (

(09

(3 most each)

(i)
$$\left(\frac{n}{3}\right) + 2y = 5$$

$$\left(\frac{\pi}{3}\right) = 5 - 2y$$

n is terms of y

$$\left(\frac{x}{3}\right) + 2(y) = 5$$

$$(\frac{3}{3}) + 2(2) = 5$$

Thing which are equal to another are also equal to each other.

$$0 \times = 1/2 \times Y$$
 $P \times = 1/2 \times Z$
 $0 \times = P \times Y$

2 (1XY) = 2 (1XZ)

XY=XZ (doubles of equals are also equals

Q[I

let n = 2\sqrt{2}, y=\sqrt{2}

ATQ

 $3(2\sqrt{2}) + K(\sqrt{2}) = 4\sqrt{2}$ $6\sqrt{2} + K\sqrt{2} = 4\sqrt{2}$ $+ K\sqrt{2} = 4\sqrt{2} - 6\sqrt{2}$ $K\sqrt{2} = -2\sqrt{2}$ $K = -2\sqrt{2}$

There can be infinite no. of solutions values for

(012 (yin towns of 2) Solotions letn=1 y=4-2(1) y = 2 let n = 2 y = 4-212) = 4-4 9=0 letn CO 13 A A = (3, -6)B=(3,0) C=(0,-6) D 20,0

Section D

Q-14

father age your

BTA

(ùi)

: At (3,0) cut

08 (2,3k) is a solv of (3k+1) x +2y=10 .: Satisfy it (3k+1) 2+2(3k)=10 6k+2+6k=10 12k=8 Section E 8-15 0(0,7) 5(3/4) B(-3,4) (-40) us 8 hould plate the environmental pollution

$$-7 = 9(0) - 7$$

$$y = 9(6) - 7$$

= 90 - 7



If (2k+1, 3k-2) is a 8ofw

1. Satisy ID 3k-2= 9(2k+1) -

3k-2=18k+9-7

3k - 18k = 2+2