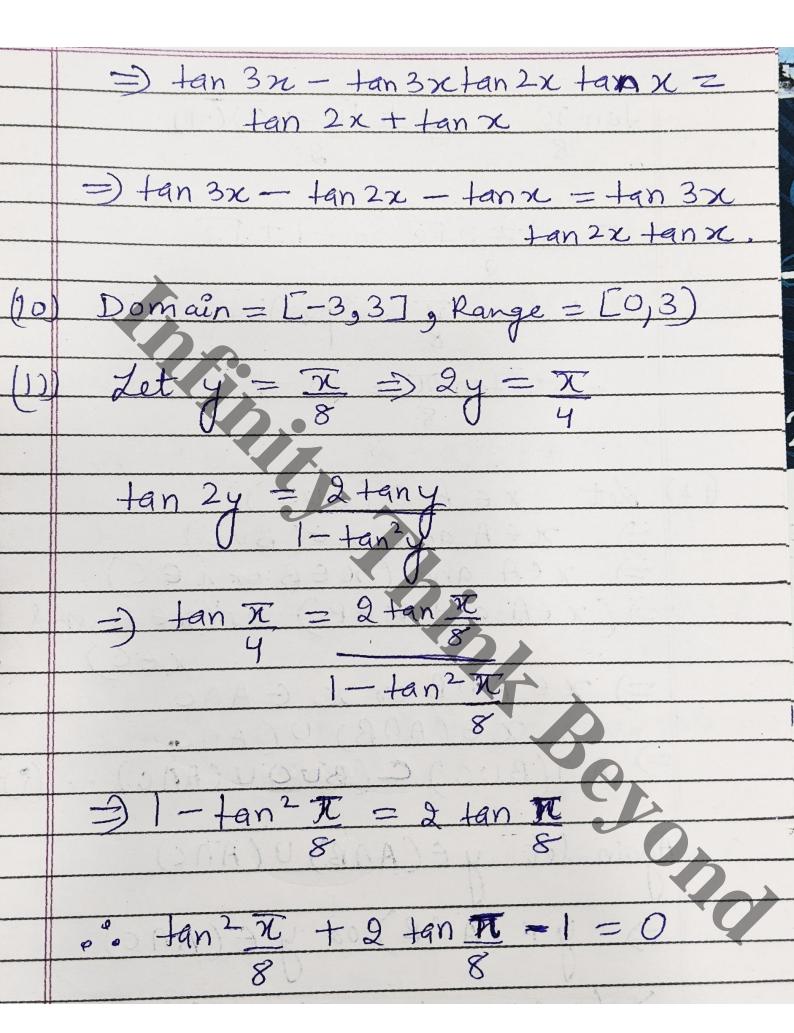
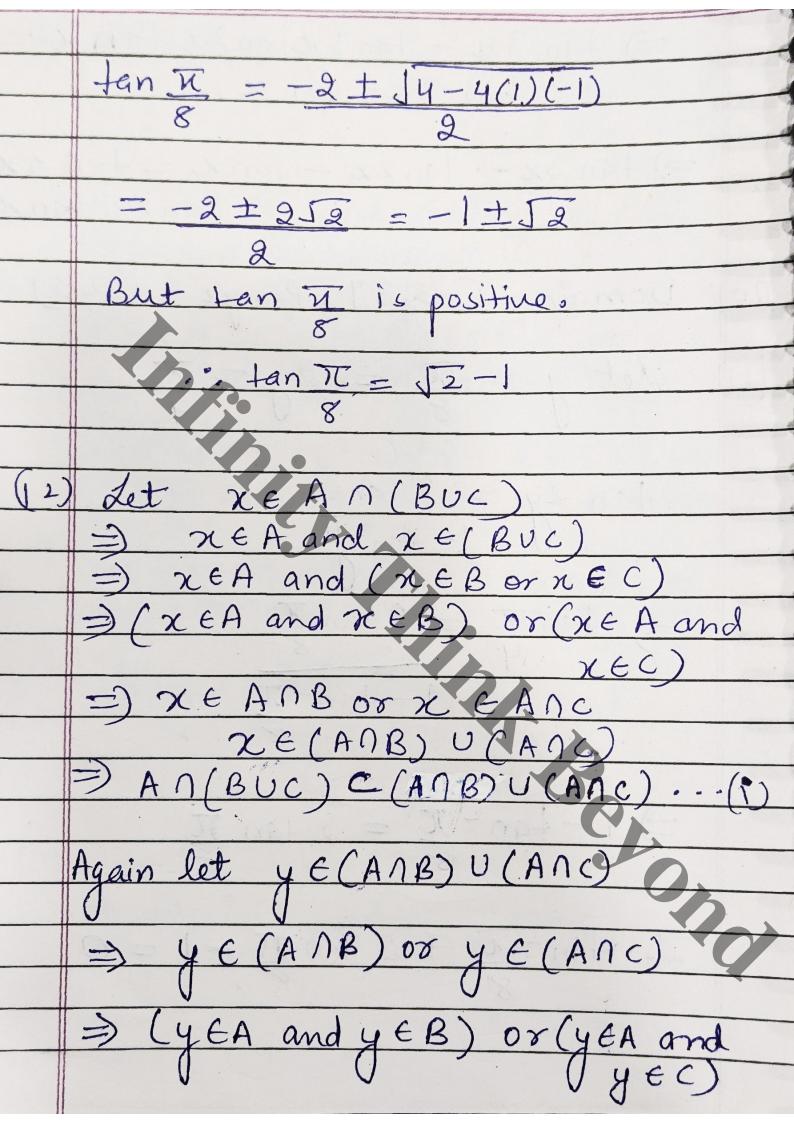
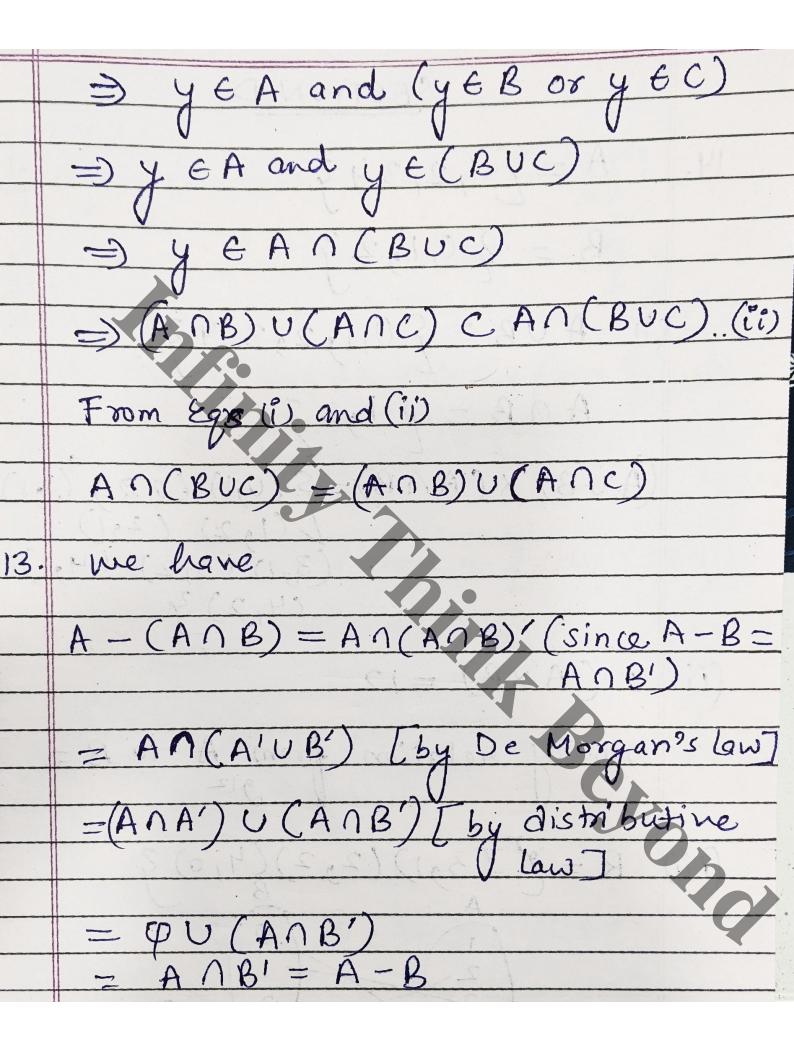
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	Answer Key Unit Test Paper 1 -XI Mathematics(By Deepika Bhati)
	SECTION A.
	The state of the s
(1)	(c)
	and the second of the second o
(2)	(c)
1-0	
(3)	(a)
(21)	(c)
(4)	
(5)	(c)
	SECTION B
(6)	=9(-14,15),(0,-1),(1,0),(4,15)
(7)	A B
	(24/6) 3
	8 7 9
	(20 × 15)
	5 10
	C

(8) Given that 9 a cos 0 + 6 sin 0=m and a sin 0 -b cos 0 = n on squaring and adding of Egs. $m^2 + n^2 = (a \cos \theta + b \sin \theta)^2 +$ (asin 8 - cos 8) $= a^2 \cos^2 \theta + b^2 \sin^2 \theta + 2 \operatorname{absin} \theta. \cos \theta$ + a2 Sin20 + b2 cos20 - 2 ab sin 0. cos0 $\Rightarrow m^2 + n^2 = a^2 (\cos^2 \theta + \sin^2 \theta) + b^2 (\sin^2 \theta + \cos^2 \theta)$ =) m2+m2= q2+b2 SECTION C $\tan 3\pi = \tan (2x + x)$ => tan 3x = tan 2x + tan x. 1-tan 2x tan x







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Date:

SECTION D

$$(AUB) \times (ANB) = S(0,1) (0,2) (1,1)$$

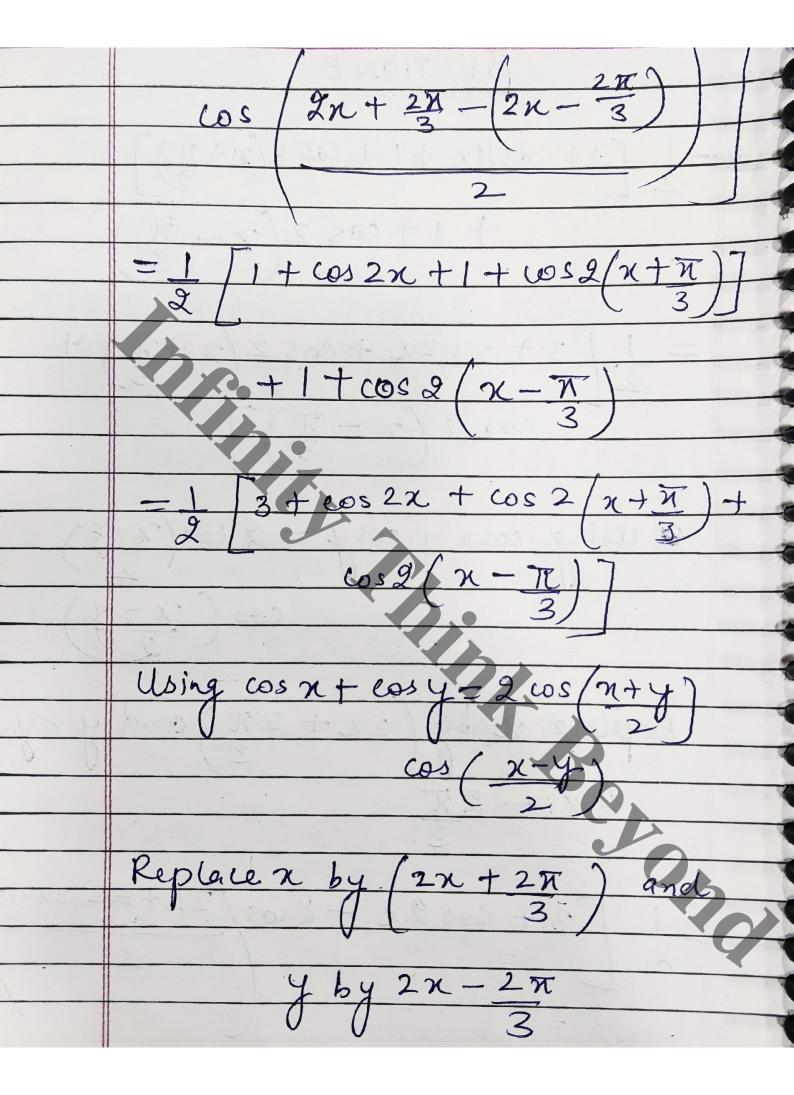
Domain = 207 Range {43

SECTION E

15-1 [1+
$$\omega s 2x + 1 + \omega s 2(x + \pi)$$
]

+ $1 + \cos 2(x + \pi)$

= $1 + \cos 2(x +$



Date: 2x+2x +2005 Cos 003 605 cos 2x+ -2 ws 2x cos

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 $\frac{1}{2} \left[\frac{3 + \cos 2n - \cos 2x}{} \right]$ $= \frac{3}{2} = RHS$ 16. Since, $|x-2| = -(n-2), x \le 2$ and 12+x = -(2+x), x 2-2 (2+x), x > -24(x) = |x-2| + |2+x| -34x = 3 $\int -(\chi-2) - (2+\chi)_{9} - 3 \angle \chi \angle 2 - 2$ $\int -(\chi-2) + 2 + \chi_{1} - 2 \angle \chi \angle 2$ $(\chi-2) + 2 + \chi_{1} - 2 \angle \chi \angle 2$ $\chi-2 + 2 + \chi_{1} - 2 \angle \chi \angle 3$ $= \frac{-2\pi_{1} - 3 \leq \pi_{2} - 2}{4, -2 \leq \pi_{2}}$ 12xg 2 4 x 43.