

1. If $\cos A = \frac{3}{5}$, $\tan B = \frac{5}{5}$, A and B are a cute angles, f and $\frac{13}{12}$ the values of $\frac{13}{12}$ and $\cos (A + B)$.

Given

CosA = $\frac{3}{15}$.

Son $A = \frac{1 - (os^2 A)}{as}$ $= \frac{1 - (315)^2}{as}$ $= \frac{1 - 9}{as} = \frac{25 - 9}{25}$ $= \frac{16}{25}$ $\therefore Son A = \frac{16}{25}$

: Son A : 516/25 = ± 4/5

A is a cafe

: Son A : 4/5

Given

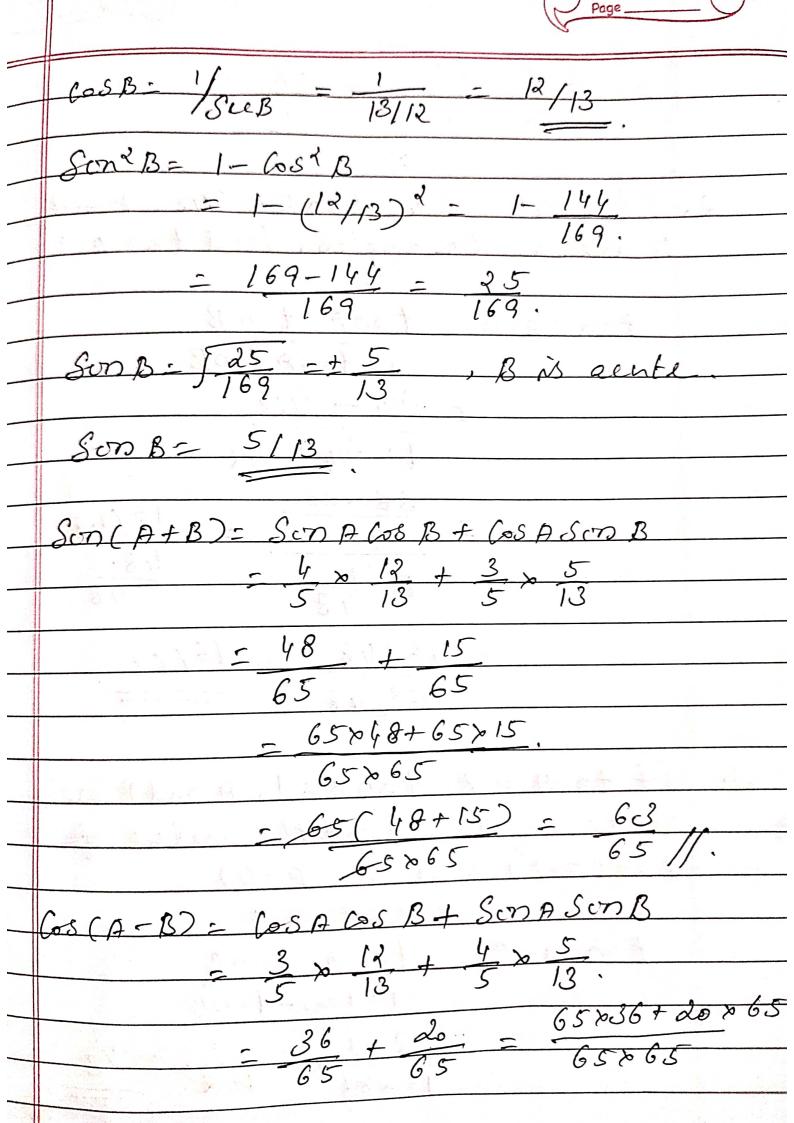
tan B = 5

Sie 2 B = 1+ tan 2 B = 1+ (5/12) 2 = 1+ 25 144

> - 144 + 25 = 169 144

See B= 5-169 = ± 13

Bris acute , See B = 13





$$-\frac{65(36+20)}{65\times 65} = \frac{56}{65}$$

2. If tanA = Siy, tanB = 5/12, A and Base acute angles. find tan(A-B)

> tan (A-B) - tanA - tan B 1+ tan A tan B = 3/4 - 5/12

1 + 3/4 > 5/12

 $\frac{36-20}{48} = \frac{16/48}{48+15}$ $\frac{16/48}{48} = \frac{16/48}{48}$

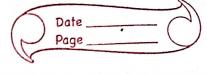
- 16/48 - 16/63 - 63/48 ====

3. If tanA = 2, tanB=1, A and B are acute anglis. Fond the value of tanCA-B) and Cos(A-B)

tan(A-B)= tanA-tanB

1+tanAtanB

= 2-1 = 1 = 1/3 1+2×1 1+2 ==



	It tand A = Seed A.
``	A = A = B
	See (A-B): 1+ tand (A-B).
	= 1+ (1/3)? - 1+ 1/9.
	$=\frac{9+1}{9}-10/9$
	9 3 79
	See (A-B) = 510/3.
	Sel A = 1/COSA / A = A-B.
	CONTRACTOR A TANK OF THE PROPERTY OF THE PROPE
	Sel (A-B) = 1/cos(A-B)
	'- COS (A-B)= 1/See(A-B)
	/ Jee (pt - 15)
	3/10
	Administration of the second s
ļφ.	If A and B she acute anglis where
	For A = 1/2, tab B = 1/3, Show that
	A+B= T/C
	tan CA+BD = tanA+tanB
	1-tanAtanB
	- Y2+ 13 = 3+? 6
	1-1/2013
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