וסיטוןוטון Dalc/22/7/2014 DPP- (1) (TRIGONOMICTRY) 1 tonsx ton3x tunzx = 1944 tansa= gatex. Sation. = / FI Many tan (5x)= tan (2x+2x) tan(sa) = fan3x tan1x 1-tanza+tanza tan(sx) 7(1-tan3a tanza)=tan3a tanx tansa-tansa-tan 201 = tanA tansa tano tunsoc tunsoc tunzoc = tungoc-tunsoc-tunsoc tanzo-tano 2) 1-taftotanlo tan 20 - tan 6 - (tan 20 - tan 6) (tan 20 + tan 6) 1-tan 20 tan 6 (1+tan 20 tan 6) (1-tan 20 tan 2) Solution = tan(20-6) tan(20+6) Lanot tanzo tanso tang tanto tanto 4316

(a)
$$2F \cdot tant = \frac{1}{3} \cdot tanB = \frac{1}{7} \cdot the + the value of 2A+B = \frac{1}{3} \cdot tanA + tanB = \frac{1}{4} \cdot tanA + tanB = \frac{1}{7} \cdot tanA + tanB = \frac{1}{7} \cdot tanA = \frac{1}{3} \cdot tanA =$$



(1) COS 120 - GID 120 - GOS 1430.

COS120-510120 + 5101498 = COS120 - 510120 - 1 Sin 1490
COS121 51012 COS149 51012 COS1470

= 1-lan120 = tan 1470

tan (45-18) +tan (180-33)

= (cin/33°+(-(an33°)

COSIPT SINIP (05/49°

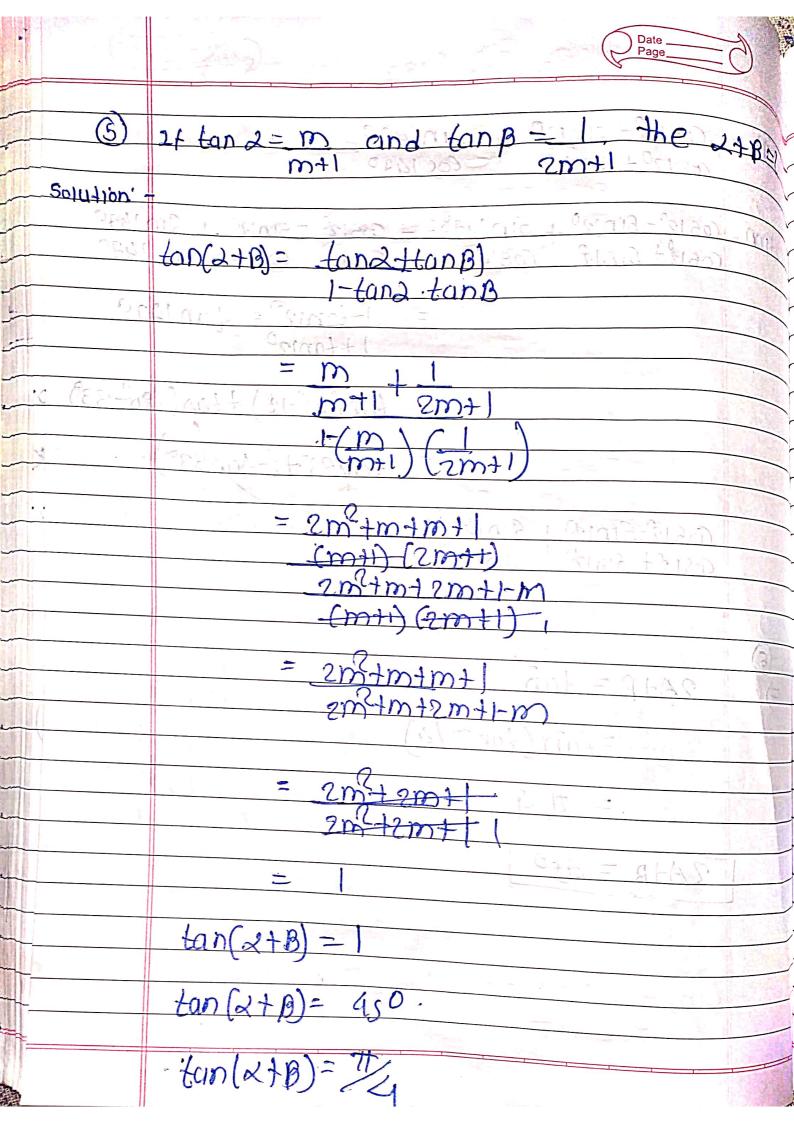
O $2A+B=tan^{\dagger}$

= (an (tan 71/4)

= 11/4 Pag + 100 =

2A+B = 450

(3) 2f tan 2= m and tan p = 1 Solution tan(2+B) = tan2+tanB)
1-tan2-tanB = m + 1 m+1 2m+1 1-(m) (2m+1) = 2m2+m+m+1 (m+1) (2m++) 2m2+m+2m+1-m -(m+1) (2m+1) = 2m+m+m+/ 2m2+m+2m+/-m = 2m+2m+1 | 2m+1 | tan(2+B) = tan (2+10)= 450. fun(x+B)= 1/2



solution:

Bol

of lunes in teams of p and q 1's

Given. (an(A+B)=P.

tan(A-B)=q

tan(2A) = tan(A+B) tan(A-B) 1-tan(A+B) tan(A-B)

= Ptq 1- pxg

6an(2A) = P+q 1-Pq

If cos(A-B)=3 and tan A dan B=2 then Solution!

Given. fan A fan B=2

SINA SINB= 2005 A COSB

cos(A-B) = 3

COS A COS B. + SINA SINB=3

