(RIGONOHETRIA

TWOMPNITALES

I RECIPROCAS:

SEND. CSCO = · cos O. SECO =

TANO. COTO = 1

I COCIENTE:

· TAN O SENO

· COTO = COSO

II. Pragózicas:

· 20120+0030 = 1

· SECZO = TANZO+1

. CSC20 : COT20+1

SEN40+ COS 60 = 1.3.9EN20.00520 SEN60+ COS 60 = 1.3.9EN20.00520

TAND 1 COTO : SEGO. CSOO

SEC20. CSC20 = SEC20+ CSC20 (1 + SENX+ COSX) = 2 (1+SENX) (1 + COSX)

1 + SEND = COSO COSO = JISEND

1 ± cos0 = SENO SENO | I = COSO

DEMÁS .

Si: a. SENX+b.cosx = C 1 22+62=C2

SEN'X = 2

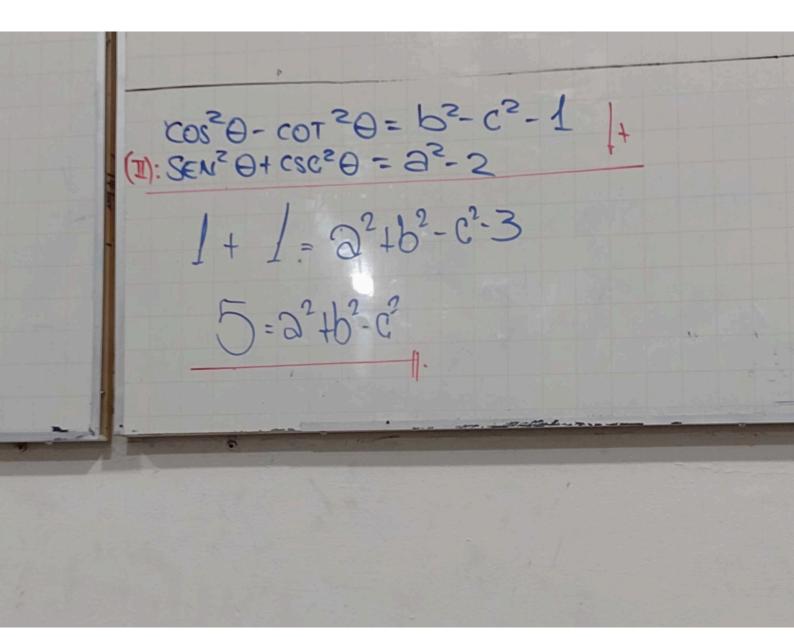
E=XIAT

1.

The send
$$\int \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$$

 $\sqrt{(SEND + SECD)^2 + (COSD + CSCD)^2} - \frac{SEND + COSD}{COSD}$ (SEGO + SEND)2 SEND + SECO)2 TANO. (SEND + SECO)2+ (SEND + SECO)2 TAN2 0 (SEND + SECED) (TANZO + 1) (SENO + SECO). SECO FAND TANO + SECZO GUAT GUAT $\frac{\partial \cos \theta}{\partial \cos \theta} + \frac{1}{\partial \cos \theta} + \frac{\partial \cos \theta}{\partial \cos \theta} + \frac{1}{\cos \theta} + \frac{\cos \theta}{\cos \theta}$ 1 + TAME + COTO - TAME - 1 = COTO

9200+Q1 08) 020 (12-1= GNAT. (211-X7) (12 + 15). TANO - 1+ SECO (X-15). TAN20=1-5EC20 (2+ GRAT) - 1 (2-15). TANZÓ = -TANZÓ x=14 T2) $(TANO + COTO)^2 = (C)^2$ $TAN^2\theta + COT^2\theta + 2.TAN\theta.COT\theta = C^2$ TAN2 0 + COt 20 = C2 - 2 ... (1) SEND+ CSCO):(2)2 SEN20+ CS020 = 22-2 ... (II) (COSO + SECO)=6/2 (05°0+ SEC°0=6°-2, ... (II) (I): TAN20 + COT20 = C2-2 (I): CO250 + REC50 = P5-5 050 +1 - con 20 = 13-2-12 12 cos20 - cot20 = 62-c2-1



 $TAN^{16}\chi - 14 = 13.TAN^2\chi$ $TAN^{16}\chi - 1 = 13.TAN^2\chi + 13$ $TAN^{16}\chi - 1 = 13.TAN^2\chi + 13$ 13. SEC2X (TAN2X+1).(TAN2X-1)(TAN2+1) (TAN2X+1). (TAN2X+1) (TANBX-1) (TAN 16 x - 1)

 $TAN^4x - SEC^4x = 1 - A$ $1 - SEN^Bx$ SEN'X - TOS'X SEN4X - 1 COS4X - (1 - SEN2X) (SEN2X+1) COSHX - SEN2 X - 1 +2-2 CO32 X (1 - SEN2 X)-2 COS2 X COSSX $\frac{\cos_5 x}{\cos_5 x} - \frac{\cos_5 x}{5}$

20) () + SEN X + (OS X) 1-SENBX (SENX +TANV) (rOSX + COTX) 2 (1+ SENX) (1 + COSX)

(COSX, SENX + SENX) (COSX, SENX + COSX)

(COSX (COSX) (SENX) Q(1+SENIX)(1+COSX) SENIX(COSX+1). COSX(SENIX 11) COSX SENIX

1-SENA = 3 (1-SENA)=(3.COSA)2 1+ SEN3A- 2 SENA = 9.003A -2+2-1-SEN3H+2.SENH=-9.003H 7- 25N3 4- 52ENH - 5=-6 COR, H 2. SENA - 2 = -10. COSPA SENA - 1 = -5. COSPA COSPA = -5 $\frac{3}{5} = \cos A$ A= 53° 1+ cosA = 1+3 = 8 SENA = 45 = 45

TAN4X - COT 4X - SECX. CSCX = 15 (TAN2X - COT2X)(TAN2X + COT2X) (TAN2X+ COT 2X)2-2 (TANX-COTX) (TANX+COTX) (TAN2X+COT2X) (TAN2 X + COT2 X)2 - 2 (TANX-COTX) 15.3 (VTAN2 x + co12 x - 2). VS. 3 L. (TANX+ COT X)=(15)2 TAN2 X + COT2 X = 3