105 CA

TRANSFORMACIONES TRIGONOMETRICAS (

SENA + SENB = 2 SEN (A+B) . COS (A-B)

SENA - SENB=2SEN(A-B). COS(A+B)

COSA + COSB = 2005 (A+B) . (05 (A-B)

COSA - COSB = -2 SEN (A+B) SEN (A-B)

*DE PRODUCTO A SUMA O DIFERENCIA

2SENA.COSB=SEN(A+B) +SEN(A-B)

2005A.COSB = COS(A+B) + COS(A-B)

2 SENA. SENB=COS(A-B)-(OS(A+B)

K= SEN75°+ SEN15° SEN 75° - SEN 15°

= 25EN45°. COS 30° 8 SEN 30°. COS 45°

K = COS30 = COT30

:. K= 3

CO22B-CO21B = CO13B

ZCOS 3B.COS B COT3B -ZSEN 3B.SEN(-B) M

(0538) COS B - COT 3B EN3B ENB M

COTSB.COTB-COTSP

M=TANB

3 COS 88+ SEN87°=0

M=COS28°-COS32°+COS57°+COS63° -25430°. DEN(-2°) 200360°. COS(X3°)

M= \$ == 130° - SEN2° + \$ cosco° . cos3°

M= SEN2°+ COS3° COS88° SEN87°

W=at

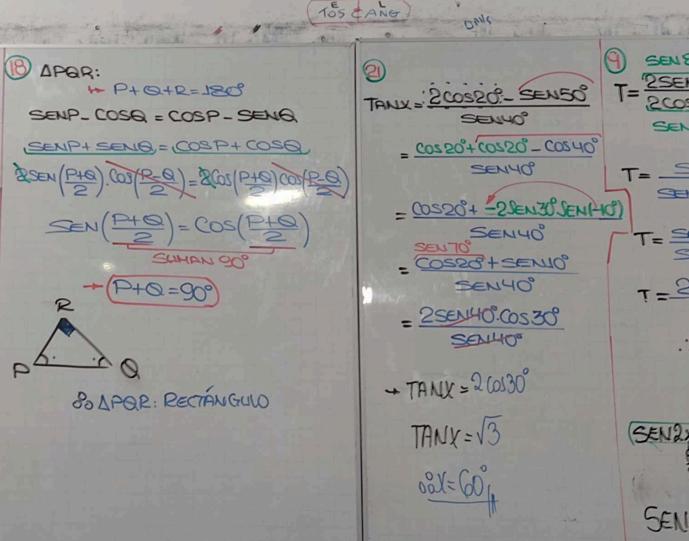
E: COSSX+COSGX+COS 7X

- 2GENEXI COS(*X)+GENEXI

20056x.cos(xx)+cos6x

COS6x(2005x+1)

SE=TANGXI



OS(A-B)

P= S50 + S20 - (S30 + S(10)) C30 + C10 - (C30 - C50)

P= SEN50+SEN10°
COS50+COS10°

P= \$50030°. COS20°

P=TAN30°

05(B+B)

bs(A-B)

EN(A-B)

RENCIA (A-B)

(A-B) (A+B) 9 SEN 80 + SEN 60 T = 2SEN 70. COSO' - SEN 60 2COS 30. SEN 0 + SEN 20 SEN 40 + SEN (-20)

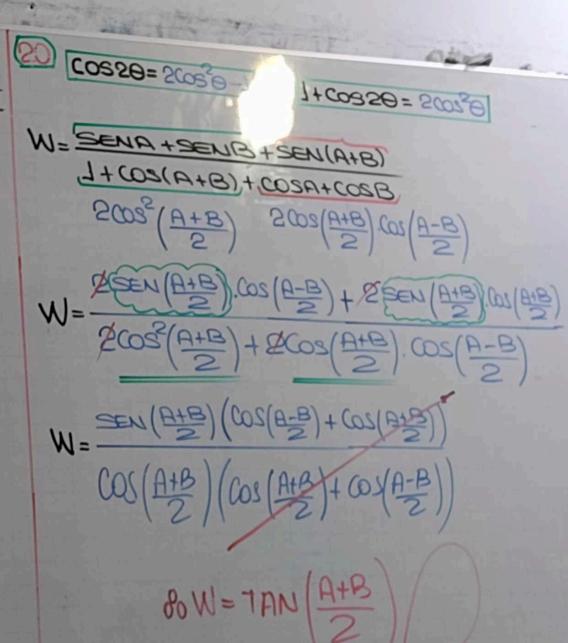
T= SENSO 2×40 2×40 T= SENSO T= SENSO 0+40

T = 2 SENYB. CONYO

: T= 200540

(SEN2X=2SENX.COSX)

SENIA = 2 Cm & COUS



5°+SE 5°- SEN 15° 45°. Cos 30° 30°. COS45° = COT 30° -TANB

COS 88+SEN87°=0 M=(COS28-COS32)+(COS57+ COS63) -SSENJO". SEN(-2°) SCOS GO". COS(X3°) M= \$ SEN30° SEN2° + \$ COSGO° COS3° M=, SEN2°+, COS3° COS88° SEN87° SENSX+SEN6X+SEN7X COSSX+COS6X+COS7X 2 SENGX COS(*X)+SENGX) 20056x. COS(xx)+COS6x) _SENGX(2005X+1) COS6x(2005X+1 SE=TANGX

5 COS 8 - SEN 8 = COS 20 $T = \frac{2SE}{2CO}$ L= SEN52° + COS22° COS2 40-SENZ40, COS 2(4°) COS38°+cos22° _200530.Cox 8

T=

SEN

Len 40° + Len 20° = 22m30. Cos 10° = cos 10° COS 30° + CO3 50° = 2 COS 40°. COS (X10°) = 2 COS 40°. COS 10° 2 Lun 30°. Cos 50° = am 80° + Sun (-20°) = Lun 80° - Lun 20° 2 60540°. 6055° = 60545° + 60535°