

Page Na PONNUZI ANIRUDDHA Date RA2112704010015 g > f cosx x show de Sinxdn P.I = P.f. + Q. P2 =- [Sing cosn + cosn sinn] CICOSA + Cosymu - Sin3xcosy - Cosxsina U= a2+4+42+2 de - d (a2f4 ha2f2) 2 Aa++ 8a2f. 2a2+[++2]

PONNOKI ANLEGODHA RA2112704010015 Page Na (202 - x0 +1) y =0 log(x) = 2 D'= d 20201 2202 D'(D'-1) ((p')2-p'-p'+1) y 20 ((p')2-2p'+1)y -0 The required auxliny egn is m2-2m+120 (m-1)=0 C.f = (CI+Con) ex (02-40+4) y = cos 2m The required auntiony Eq is m2-4m+4 20 (m-2)=0 m=2C.A. (Cit Cin)ex

PONNUM ANIKODOMA RAZINZAGAGIOGIS Trage Na

= Cos 2n -4x4p+4

= $\frac{\cos 2n}{-40}$

 $\frac{2}{-40^2}$ $0^2 = -4$

- -2 sinba

2 <u>- sin2n</u>

72 (C,+Cn)en - 8/11221

(02+60+3)y = e-34x

auxliery Equalism to m2+6m+9 =0

e- app 4) y = cor 2m

m=-3

C.f. (Citan) e-3n

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