- ULTIMATE MATHE MATTICS -Solutions of I-2 Onus + ten-1 /1-101x = tan" / tan2(11/2) = tent (teny) CINS 2 -= fen-1 (Sin(3-x) 1+ cos(2-x) = ten-1 (\$517 (2-2) cos(2-2) 2(x2(3-4) = fer-1 (ten (3 - 2) terr (1-sinx ON13 ten-1 (1- cos (2-x) = ten-1 (\$51x (2-2) (0/2-2)

Solution (I-Z)

Page No.

ON 4 + for 1 (x)

= fen-1 (asino) \[\sqrt{q^2 - q^2 gn^2 a} \]
= fen-1 (\alpha sino)
\[\alpha \sqrt{1-sin^2 a} \]

> = fen-1 (5100) = fen-1 (tena)

Suplace Q = And (x) Ams

Oms = ten^{-1} $\int \frac{q-x}{a+x}$ put x = aca(2a) $= ten^{-1}$ $\int \frac{q-aca(2a)}{a+aca(2a)}$

Solution I.2

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Date:

- fen-1 1-(05(20) 1+(0(20) = teni (ten a) le place o 1 cost (3) Amy 0-1 cost tat (3 / 2 / az) put x = a find - tent a temp cont Varporatar = tond (atm 0) = (05/(cg(2-0))

Sclutors I.Z

Page No. Date:

= 3 - 0 ligian O

= 32 - #m (3) (05) (04) (1/9) -- 4 fan x + (0+ 1/4) AMI = 21/2 4

t) + to 1 (\$) + to 1 (\$)

ten 1 (± + +) + ten 1 (+)

= ten-1 (- 10) + ten-1 ()

ten 1 () + ten 1 ()

(Schuton 7-2) Page No Date : Dr. 8 * please do yourself 2 ten (+) + ten (+) + 2 ten (+) - of ton () + ton 1 ()) + ton 1 () = 2 fon-1 (++f) + fon-1 (+) = I ten-1/ { }) + tan-1(} - ten-1 (2x) + ten-1(+) = ten-1/3 + ten-1 (+)

= ten-1(21/2+) = ten-(1)

= My day

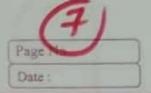
Scludon I-2

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Date:

ONS 10 + tan 2 tan 1 (+) - 3 - ten [2 ten-1 (+) - ten 1 (1)] - ten (ten: (2x]) 2 ten fenil (=) - ten (1) = ten | ten (5) - ten (1) ten [ten-1 (5 - 1)) -ten (ten (-7) = -7 Am

Sdypon I-2



(1-SIND) = ten-1 (\$51n2 (3-9) Replace Q by fortx 2- ten-17 - tenta + (01/4= 3 ten-1 (JI+tente +)

Schulan I-2

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Date:

= ten-1 (10+ Q)

- ten (ten (2 - 9))

= 3-9

= 3 - for 1 The

On 13 + Toprose

 $(cs](\frac{4}{7}) + (cs](\frac{12}{13}) = (cs](\frac{33}{87})$

Son Lhi

Convenion

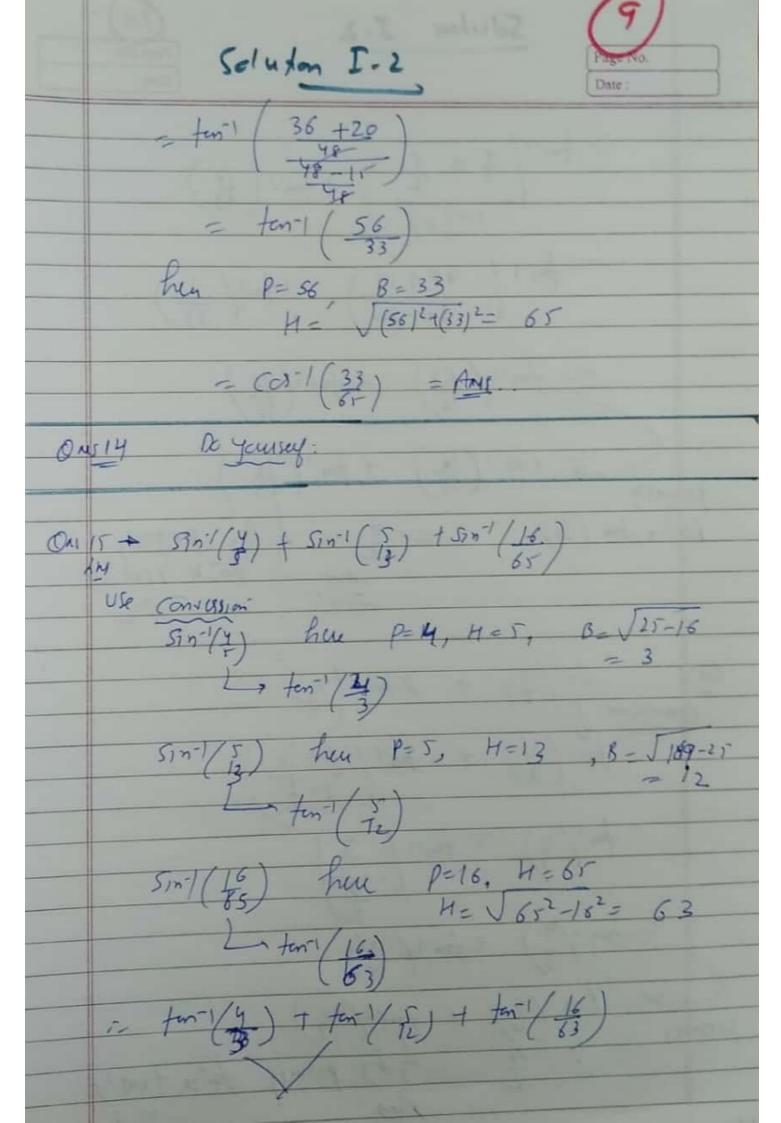
(05/4) hu B= 4 , H= r P= J25-16= 3

cos/\$)= ten 1(3)

(05 (12) hun B=12, H= +3 P= 5/69-174 = 5

(051/12) = ten-1/5)

= ten 1 (3) + ten 1 (5) = ten 1 (3) + ten 1 (5) = ten 1 (3) + ten 1 (5) = ten 1 (3) + ten 1 (5)



10 Solution I-2 Date 1-3×2 -1 fail/ + far (16) fm-1 (63) (16 63 By property 1 x = fen (1/n) = 2/2 + fan-1 fen-1 -