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Matric Number: 19/ENG05/024

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	17 ENG 05/024
1	Sin 72 Cos 2n
	Sma : Roch = 1/c=/= 11 ) 1 = 1
	Sma. Rosb = 1 (sm(a+b) + sm(a-b))
	$=\frac{1}{2}\left(\sin\left(9n\right),+\sin\left(5n\right)\right)$
	$= \frac{1}{2} \int sm  9n  dn + \int \int sm  (5n)  dn $
	$=\frac{1}{2}\left(-\frac{\cos 9n}{9}\right)+\frac{1}{2}\left(-\frac{\cos 5n}{5}\right)+C^{-\frac{1}{2}}$
	19/15 -
2	Cos 3n Cosn dn
	$= 1 \left( (2 \left( 3 + n \right) + (2 \left( 3 + n \right) + n \right) \right) + (2 \left( 3 + n \right) + n \right) + ($
	$= \frac{1}{2} \int \cos (3n + n) + \cos (3n - n) dn$
	$= \frac{1}{2} \int \cos 4n  dn + \frac{1}{2} \int \cos 2n  dn$
	$= 1 \times 1 \cdot \sin 4n \cdot t \cdot 1 \times 1 \cdot \sin 2n t c$
	2 4 2 2
	= Sm4n + Sm2n + C
	8 4
3	Coan dn set u=smn
1	Jsm²n du= rosndn
1	$\frac{1}{2} - \frac{dy}{dx} = dx$
1	687
1	= Cozn du
1	Ju <sup>2</sup> Cosn
	2 Ju du -1
	$= \underbrace{u'du} = -\sin^2 x + c$
1	

dndy  $= 3y(2^3 - 1^3)$  = 3y(1) = 21y