REVISION: RENSION:

MORKSHEFT NO= 1

INTEGRATION

Onus / Sm3 (2x+1) du

04-2 - J Cosy (2x) du

QN:5 + S COIX du

OM-6 + J Lotx

OM7 > / XVX+2dy

QM.8 - 1 2 (x1+1)3/4

0 m9 + \[\frac{\chi +2}{\sqrt 1} \dx

QM 10 + \ \\ \frac{5x+3}{\sqrt{x^2 + 4x + 10}} du

 $\frac{0_{4} \cdot 11}{(x^{2}-1)(2x+3)} dy$

QN1 13 + \ \(\frac{3\pi-2}{\pi+1)^2(\pi+3)} AM 4 109 2+1 + 5 (x+1) + C Qu. 14 x (x2+1) (x2+4) Any 3 torisc - 2 toris(3)+c On 15 A) X cos x dy AM (2x2-1). Cos x - 2 1-x2 +C Om 18 + Sex (2+ Sin(2x)) dy Ay enfonce +C On. 19-7 / ex. x dn An An ex ex +c ON-20-A Jenson du Aris ex (Sinn-can)+C Aur 109/21- 109/22+11+C On-2) - / 2/1) dy On 22 + Je 3/097 (24+1) -1 dy AM 4/09/21/1/+C tenzy. Secyndy

 $= \int \frac{1}{2^{1/2} - 1^{2}} dy = \int \frac{1}{2^{1/2} + 1} + \frac{1}{2^{1/2}} + \frac{1}{2^$

$$\frac{2x-33}{4} = \int (4x+4) \sqrt{x^2-x-2} \, dy$$

$$\frac{4x^4}{3} \left(x^2-x-2 \right)^{3/2} + 3 \left(\frac{2x-1}{4} \sqrt{x^2-x-2} - \frac{9}{3} \log \left(\frac{2x-1}{2} \right) + \sqrt{x^2-x-2} + \frac{1}{4} \log \left(\frac{2x-1}{2} \right) + \sqrt{x^2-x-2} \right)$$

$$Q_{M} = \frac{37}{1 + \sqrt{\frac{Sin(4x) - 4}{1 - ca(4x)}}} du \quad Ars \quad e^{\gamma} = \frac{(cot(2x) + c)}{1 - ca(4x)}$$
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$$0 \times \frac{38}{38} + \int \frac{3}{(x-1)(x-1)(x-1)} dx$$

$$0 \times \frac{38}{39} + \int \frac{1}{\sin^2 x} + \sin(2x) dx$$

$$0 \times \frac{39}{39} + \int \frac{1}{\sin^2 x} + \sin(2x) dx$$

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$$0 \times \frac{39}{39} + \int \frac{1}{\sin^3 x} + \frac{3}{3} \cos x$$

$$1 \cdot \cos x + \frac{1}{3} \cdot \cos x$$

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