





MACNOBA M. A. 1147-235 BAPHANT NAT	Nucr 3
Bagara 3 (mogoemenne)	
Hangen zuarenna & gus rozen A y B:	
Due A	
$\int a = a \cos^3 t \int \cos^3 t = 1 \int \cos t = 1$	Bozowery
$\begin{cases} 0 = a \sin^3 t \end{cases} \int \sin^3 t = 0 \qquad \begin{cases} \sin t = 0 \end{cases}$	t = 0
Dua B:	
$\int 0 = a \cos^3 t \qquad \int \cos^3 t = 0 \qquad \int \cos t = 0$	Bozonen
[azasin3 t / [sin3 t = 1 / [sint = 1]	t 2 1/2
	(8 jumai mee)
Mpoughogume	
$x'(t)$ = $a(\cos^3 t)' = a(3\cos^2 t \cdot (-\sin t) = -3c$	a cos² E sin E
$y'(t) = a(sin^3t)' = a.3 sin^2t \cdot k \cos t = 3 a sin^3t$	
Duna gym AB:	
$l = \int_{0}^{2} \int ga^{2} \cos^{4} t \sin^{2} t + ga^{2} \sin^{4} t \cos^{2} t dt =$	
T Z	
= $\int \int ga^2 \cos^2 t \sin^2 t \left(\cos^2 t + \sin^2 t\right) dt = \int 3a \cos^2 t \sin^2 t$	ostsint dt =
1	
= 3a $\int \sin t d(\sin t) = 3a \frac{\sin^2 t}{2} \Big _0^{\frac{\pi}{2}} = 3a \frac{1}{2} =$	<u>3 a</u>
Duma gyn AM: 1/4 : 39 2 39	
Known of Brief Dung own AM burnings	anawwyns
TOUGHO MENSET LE BEPXUM npegen unespupolamia; ornega	
no wraem	
noupraem: $l_{AM} = 3a \frac{\sin^2 \xi}{2} \int_0^{t_M}$	
(t_ znarenne t, coorber Nywere rouse M)	
01 70 0 0 0 0 0 0	



