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R16

	: :::::pos	itive integer:::	mma functions, e	: ::.:::	* * * * * * * * * * * * * * * * * * * *	(5+5)	* *
	tetr	ahedron OABC.	$\frac{z}{c} = 1$ meets the Also find its mass	if the density at OR	any point is kxy		he
	b) Eva	luate $\iiint xyzdxd$ If the directional date $3xy^2 + y = 0$	integration and so $dydz$ over the posterior and so derivative of xyz dz at $(0,1,1)$. dz dz dz dz dz dz dz dz	sitive octant of the control of the	ne sphere $x^2 + y$) in a direction of	[5+5]	ne
	9Prov soler 10. Veri	ve that if \vec{r} is the nodial if $\vec{n} = -3$.	position vector of $\frac{1}{2}$ position vector of $\frac{1}{2}$ corem for $2x^2yi$	OR of any point in s $-y^2j + 4xz^2k t$	pace then $r^n \vec{r}$ is	in [:[:10] gion of first octan	2 5 2 4
			$z^2 = 9$ and $x = 2$ $z^2j + 2x^3yzk$. Saluate the integral	OR	$d\vec{r}$ is independent path joining (0, 0)	[10] ent of the path of (1, 2, 3). [10]	of E
		o A A FIGURA	0	0 0 00		AG	F)
	AG	PC	FC		PE	FIG	
Ē		FG	AC		HC.	AC	
	FIG	AG	AG (AG .	AG (ÄG	PÜ