$$\frac{71/1}{2} = \frac{112i}{1-3i} = a+6i$$

$$\frac{7}{2} = \sqrt{a^{2}+6^{2}}; \quad \cos \theta = \frac{a}{2}; \quad \sin \theta = \frac{a}{2}$$

$$\frac{a=?, 6=?}{2} = \frac{1}{1-3i} \cdot \frac{1+3i}{1+3i} = \frac{1+3i+2i+6i^{2}}{1^{2}-3^{2}\cdot i^{2}} = \frac{1+5i-6}{1-9\cdot(-1)}$$

$$= \frac{-5+5i}{10} = -\frac{5}{10} + \frac{5}{10}i = -\frac{1}{2} + \frac{1}{2}i$$

$$= \frac{-5+5i}{10} = -\frac{1}{2} \quad b = \frac{1}{2};$$

$$1) \quad 9 = \sqrt{a^{2}+6^{2}} = \sqrt{(-\frac{1}{2})^{2}+(\frac{1}{2})^{2}} = \sqrt{\frac{1}{4}} + \frac{1}{4}$$

$$= \sqrt{\frac{2}{4}} = \sqrt{\frac{1}{2}} = \frac{1}{\sqrt{2}}$$

$$= \sqrt{\frac{1}{2}} = -\frac{\sqrt{2}}{2}$$

$$= \sqrt{\frac{1}{2}} = -\frac{\sqrt{2}}{2}$$

$$= \sqrt{\frac{1}{2}} = -\frac{\sqrt{2}}{2}$$

$$= \sqrt{\frac{3}{4}} = -\frac{1}{4}$$

$$= \sqrt{\frac{3}{4}} = -\frac$$

$$\frac{2 \cdot 0 \cdot \pi + \frac{3\pi}{4}}{3} = \frac{0 + \frac{3\pi}{4}}{3} = \frac{3\pi}{12} = \frac{\pi}{4} \left[\frac{\cos p \cdot 2}{4} \right]$$

$$W_0 = \frac{1}{\sqrt{2}} \left(\cos \frac{\pi}{4} + i \sin \frac{\pi}{4} \right)$$

$$\frac{V=1}{2\cdot 1\cdot 1} = \frac{2\pi + 3\pi}{3} = \frac{11\pi}{3} = \frac{11\pi}{3} = \frac{11\pi}{3}$$

$$W_1 = \frac{1}{\sqrt{2}} \left(\cos \frac{11\pi}{12} + i \sin \frac{11\pi}{12} \right)$$

$$\frac{X=2}{3} = \frac{19\pi}{12} \neq (-\pi,\pi) = \frac{19\pi}{12} > \pi$$

δυσείνα 51π α cos ce
$$2π - αερμο σμαισα ce$$

zena $\frac{19π}{12} - 2π = -\frac{5π}{12}$ μα λιε αισσαρο ομ $\frac{19π}{12}$

$$W_{2} = \frac{1}{\sqrt{2}} \left(\cos \left(-\frac{5\pi}{12} \right) + i \sin \left(-\frac{5\pi}{12} \right) \right)$$

Cup. 4

V= 1/(ab2)/- aucon. Opeg.

à, à u'à ce b-pu co voncusser do veries varus révere la révens apapare

 $\vec{a} = \vec{D}A = \vec{r}_{A} - \vec{r}_{D} = (1,2,2) - (9,2,6) = (-8,0,-4)$ $\vec{c} = \vec{D}B = \vec{r}_{B} - \vec{r}_{D} = (8,1,3) - (9,2,6) = (-1,-1,-3)$ $\vec{c} = \vec{D}C = \vec{r}_{C} - \vec{r}_{D} = (5,0,2) - (9,2,6) = (-4,-2,-4)$ $(\vec{a}\vec{c}\vec{c}) = \begin{vmatrix} -8 & 0 & -4 & -8 & 0 \\ -1 & -1 & -3 & -1 & -1 \\ -4 & -2 & -4 & -4 & -2 \end{vmatrix}$

= - 32+0-8-(-16)-(-48)-0=24

 $V = \frac{1}{6} |29| = \frac{1}{6} 29 = 4 \text{ kys. eg.}$

T1/5
$$\frac{\infty}{2}$$
 $\frac{(x-a)^m}{(3x+5)^n}$ $\frac{(x-a)^m}{5n+3}$ $\frac{(x+\frac{1}{3})^n}{5n+3}$ $\frac{(3(x+\frac{1}{3})^n)^n}{5n+3}$ $\frac{(3(x+\frac{1}{3})^n)^n}{5n+3}$ $\frac{3^n}{5n+3}$ $\frac{3^n}{5n+3}$

universal 40 costeep. (a-R, a+R)= $(-\frac{5}{3} - \frac{1}{3}, -\frac{5}{3} + \frac{1}{3}) = (-\frac{6}{3}, -\frac{4}{3}) = (-2; -\frac{4}{3})$

$$\frac{x=-2}{2} \frac{(3.(-2)+5)^{n}}{(3.(-2)+5)^{n}} = \frac{7}{2} \frac{(-6+5)^{n}}{5n+1} = \frac{7}{2} \frac{(-1)^{n}}{5n+3} = \frac{7}{2} \frac{1}{2} \frac{1$$