$$\theta = a\sin\left(\frac{3}{6}\right) = 0.524 \text{ rad}$$

there exists no θ that can solisty this.

$$|\xi| = (y_3 + y_3)_{N^3} = \sqrt{19}$$

$$\int_{0}^{2} \frac{\lambda}{10} \hat{J} + \frac{3}{\sqrt{10}} \hat{J}$$

with origin O at some arbitrary position, prove:

1)
$$\overrightarrow{AP} = \frac{1}{3}\overrightarrow{AC} = \frac{1}{4}(\overrightarrow{OA} + \overrightarrow{OC}) \Rightarrow \overrightarrow{AP} = \overrightarrow{OA} + \overrightarrow{OC}$$

a)
$$\overrightarrow{BP} = \frac{1}{4} \overrightarrow{BD} = \frac{1}{4} (\overrightarrow{OB} + \overrightarrow{OD}) \Rightarrow \overrightarrow{4BP} = \overrightarrow{OB} + \overrightarrow{OD}$$

$$\overrightarrow{AP} = \frac{1}{2}(\overrightarrow{OA} + \overrightarrow{OP}) = 1$$

$$\stackrel{\triangle}{n}$$

$$\vec{A}\vec{c} = \frac{1}{a}(\vec{O}A + \vec{O}c)$$

$$= \overrightarrow{OC} - \overrightarrow{OP}$$

$$= \overrightarrow{OC} - \overrightarrow{OP}$$
$$= \overrightarrow{OC} + \overrightarrow{OA} - \overrightarrow{AAP}$$

$$\overrightarrow{AP} = \frac{1}{6}(\overrightarrow{OA} + \overrightarrow{OP}) \Rightarrow \overrightarrow{AP} = \overrightarrow{AOA} + \overrightarrow{AOP}$$

$$\Delta n$$

$$\overrightarrow{AP} = \frac{1}{\lambda}\overrightarrow{AC}$$

$$\overrightarrow{BP} = \frac{1}{3}(\overrightarrow{OB} + \overrightarrow{OP}) \implies \overrightarrow{ABP} = 3\overrightarrow{OB} + 3\overrightarrow{OP}$$

$$= \overrightarrow{OB} + \overrightarrow{OD} \stackrel{?}{?} \stackrel{?}{?}$$

?





