Ceuliencap 2 2022.

$$D_{ABC} = \begin{vmatrix} -4 & 3 \\ 4 & 0 \end{vmatrix} = -3 = 1$$
  $P_{\Delta} = \frac{1}{2} |D_{ABC}| = \frac{3}{2}$ 

DARC (c =) DABC je " oprijetivanje

$$A_{A}: \frac{\overrightarrow{AB}}{||\overrightarrow{AB}||} + \frac{\overrightarrow{AC}}{||\overrightarrow{AC}||} = \frac{-4.3}{2} + \frac{4.0}{4} = \left(-\frac{1}{2} + 4, \frac{3}{2}\right) = \left(\frac{1}{2}, \frac{3}{2}\right)$$

$$\frac{1}{2}t = -5 + \frac{25}{\sqrt{13}} + 1 / 2\sqrt{13}$$

$$1 + \frac{3}{2}t = x + \frac{3}{\sqrt{13}}$$
\$  $1 = \sqrt{2} \sqrt{13}$ 

$$\sqrt{13} t = 25 \Rightarrow 5 = \frac{\sqrt{13}t}{2}$$

$$t = \frac{2\sqrt{13}}{3\sqrt{13}+13}$$

$$S = \frac{\sqrt{13}}{2} \cdot \frac{2\sqrt{13}}{3\sqrt{13}+13} = \frac{13}{3\sqrt{13}+13}$$

$$5\left(\frac{\sqrt{13}}{3\sqrt{13}+13}, 1 + \frac{3\sqrt{13}}{3\sqrt{13}+13}\right) = 5\left(\frac{\sqrt{13}}{3\sqrt{13}+13}, \frac{6\sqrt{13}+13}{3\sqrt{13}+13}\right)$$

$$X = 1 + \left(\frac{\sqrt{13}}{3\sqrt{15}+15} - 1\right)$$

$$X = 1 + \left(\frac{\sqrt{13}}{3\sqrt{15}+15} - 1\right)$$

$$\lambda = 1 + \left(\frac{3M^2}{3M^2+12}\right)$$

$$C_{5}^{+} = \left( \frac{\sqrt{13} - 3\sqrt{13} - 13}{3\sqrt{13} + 13} \right) \frac{3\sqrt{13}}{3\sqrt{13} + 13} \right)$$

$$CS = \left(\frac{-2\sqrt{13} - 13}{3\sqrt{13} + 13} + \frac{3\sqrt{13}}{3\sqrt{13} + 13}\right)$$

$$N_{CS} = \left(\frac{3\sqrt{13}}{3\sqrt{13}+13}, \frac{2\sqrt{13}+13}{3\sqrt{13}+13}\right)$$

$$c = -a - 6 = \frac{-3\sqrt{13} - 2\sqrt{13} - 13}{3\sqrt{13} + 13} = \frac{-5\sqrt{13} - 13}{3\sqrt{13} + 13}$$

A: 
$$\frac{3\sqrt{13}}{3\sqrt{13}+13} \cdot 0 + \frac{2\sqrt{13}+13}{3\sqrt{13}+13} = 0 < 0$$

B: 
$$\frac{-3\sqrt{15}}{3\sqrt{13}+13} + \frac{8\sqrt{15}+13\cdot 8}{3\sqrt{13}+13} + \frac{-5\sqrt{13}-13}{3\sqrt{13}+13} = 0 > 0$$

$$R_{P,Y} = ? Y = \frac{\pi}{2}$$

$$R_{P,Y} = \begin{pmatrix} 1 & 0 & | 360 \\ 0 & 1 & | 420 \\ \hline 0 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} 0 & -1 & 0 \\ 1 & 0 & 0 \\ \hline 0 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} 1 & 0 & | -360 \\ 0 & 1 & | -420 \\ \hline 0 & 0 & 1 \end{pmatrix} =$$

$$= \begin{pmatrix} 0 & -1 & 360 \\ 1 & 0 & 420 \\ \hline 0 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} 1 & 0 & -360 \\ 0 & 1 & -420 \\ \hline 0 & 0 & 1 \end{pmatrix} = \begin{pmatrix} 0 & -1 & +260 \\ 1 & 0 & 60 \\ \hline 0 & 0 & 1 \end{pmatrix}$$

$$\begin{vmatrix} \chi' \\ y' \end{vmatrix} = \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} \chi \\ y \end{pmatrix} + \begin{pmatrix} 786 \\ 60 \end{pmatrix}$$

$$\begin{vmatrix} \chi' \\ z' = -y + 780 \\ y' = x + 60 \end{vmatrix} = \begin{cases} P'(360, 720) = P \\ Q(260, 580) \end{cases}$$

$$C' = \begin{pmatrix} 360, 720 \end{pmatrix} + \begin{pmatrix} 260, 580 \\ 2 \end{pmatrix} = \begin{pmatrix} 340, 500 \end{pmatrix}$$

$$C' = \begin{pmatrix} 400, 300 \end{pmatrix}$$

$$C \rightarrow C'$$

$$\lambda = ?$$

$$900: 160 = 5 \\ 600: 100 = 6 \end{cases} = 2 \lambda = 5$$

$$600: 100 = 6$$

$$\mathcal{H}: \begin{pmatrix} 900 \\ 300 \end{pmatrix} = \begin{pmatrix} 5 & 0 \\ 0 & 5 \end{pmatrix} \begin{pmatrix} 3.10 \\ 500 \end{pmatrix} + \begin{pmatrix} a \\ -b \end{pmatrix}$$

$$400 = 1550 + 0 = 0$$
  $0 = -1150$   
 $300 = 2500 + 6 = 0$   $6 = -2200$ 

$$\mathcal{H}: \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} 5 & 0 \\ 0 & 5 \end{pmatrix} \begin{pmatrix} x' \\ y' \end{pmatrix} \begin{pmatrix} -4450 \\ -2200 \end{pmatrix}$$

(4) Ckyū ctux pa вни које садроне , шагку р=х пр је дай једнагином 
$$\gamma: \lambda_1(a_1x + b_1y + c_1z + cd_1) + \lambda_2(a_2x + b_2y + c_2z + cd_2) = 0$$

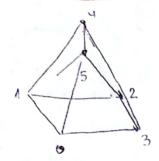
$$\begin{array}{l} \gamma \cdot \lambda_{1} \left( 3x - y + 2 - 47 \right) + \lambda_{2} \left( x + 2y - 2 - 8 \right) = 0 \\ \frac{\lambda_{1} 3x - \lambda_{1} y + \lambda_{1} 2 - 47 \lambda_{1} + \lambda_{2} x + 2y \lambda_{2} - 2\lambda_{2} - 8 \lambda_{2} = 0}{x \left( 3 \lambda_{1} + \lambda_{2} \right) + y \left( 2\lambda_{2} - \lambda_{1} \right) + 2 \left( \lambda_{1} - \lambda_{2} \right) - 4\lambda_{1} - 8\lambda_{2} = 0} \end{array}$$

$$3\lambda_1 + \lambda_2 = 2$$

$$7\lambda_2=-7-)$$
 $\lambda_2=-1$ 

$$\lambda_1 = 1$$





$$I = \frac{1}{3}c_1$$
,  $\frac{5}{9}$ 
 $P = \frac{1}{9}p_0$ ,  $p_1 | p_2 | 9$ 
 $P_0 = \frac{1}{9}p_0$ ,  $p_1 | p_2 | 9$ 
 $P_1 = \frac{1}{9}p_0$ ,  $p_1 | p_2 | 9$ 
 $P_2 = \frac{1}{9}p_1 | p_2 | 9$ 
 $P_3 = \frac{1}{9}p_1 | p_2 | 9$ 
 $P_4 = \frac{1}{9}p_1 | p_2 | 9$ 
 $P_5 = \frac{1}{9}p_1 | p_2 | 9$ 
 $P_7 = \frac{1}{9}p_2 | p_2 | 9$ 
 $P_7 = \frac{1}{9}p_2$