$$P(2,1,0)$$
 Q(5,3,0) Q-P.
 $V=L3,2,0$] $IVI=\sqrt{9+4+0}=\sqrt{13}$
CUSIMUCT. [$\frac{3}{13}$, $\frac{2}{13}$, 0]

3.
$$P(-3.5, 4.0.-1.5)$$
 $Q(7.5, 0.1.5)$

$$V = [11, -4, 3] \quad |V| = \sqrt{11^2 + 4_{+3}^2} = \sqrt{146}$$

$$C(3) = \left[\frac{11}{\sqrt{146}}, \frac{-4}{\sqrt{146}}, \frac{3}{\sqrt{146}}\right]$$

$$Q - P = \begin{bmatrix} -\frac{1}{4}, 2, \frac{1}{2} \end{bmatrix} P(\frac{1}{4}, -2, \frac{3}{4})$$

$$Q \begin{pmatrix} \frac{6}{4}, 0, \frac{5}{4} \end{pmatrix} |V| = \sqrt{(-\frac{1}{4})^2 + 2^2 + (\frac{1}{2})^2} = \frac{\sqrt{69}}{4}$$

9 Q-P =>
$$[3, 1, -3]$$
 P(-3, -1, -1)
Q(0, 0, -4) $|V| = \sqrt{9+1+9} = \sqrt{19}$