$$\frac{2}{\theta} = us^{-1}\left(\frac{\binom{7}{1}\cdot\binom{3}{-1}}{\binom{7}{1}\times\binom{3}{1-n}}\right)$$

Direction cosines? meaning?

$$\begin{pmatrix} 2 \\ 1 \end{pmatrix} \wedge \begin{pmatrix} 3 \\ -1 \\ -6 \end{pmatrix} - \begin{vmatrix} 1 \\ 2 \\ 1 \end{vmatrix} - \begin{pmatrix} -4 \\ 13 \\ -6 \end{pmatrix}$$

$$\alpha$$
) $3x2=6$

b)
$$V = bxh$$

n= component of OC indirection perp to OA 60B

$$9 n = {1 \choose 5} \cdot {1 \choose 1} \wedge {3 \choose -1} = {1 \choose 5} \cdot {-4 \choose 13} = {6 \choose 5} \cdot {7 \choose 13} = {6 \choose 5} \cdot {$$

$$(b-a) \wedge (c-a)$$

$$l_{7} = \begin{pmatrix} 0 \\ 6 \\ 1 \end{pmatrix} + M \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$$

Findperp to both:

$$n = \begin{pmatrix} 1 \\ 1 \end{pmatrix} \land \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix} = \begin{pmatrix} 1 \\ 12 \\ 3 \end{pmatrix} = \begin{pmatrix} 1 \\ -7 \\ 1 \end{pmatrix}, \quad \hat{n} = \frac{1}{\sqrt{6}} \begin{pmatrix} 1 \\ -7 \\ 1 \end{pmatrix}$$

Find Lostane:

$$\begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$$

Project on to
$$\hat{n} = \begin{pmatrix} 0 \\ 1 \end{pmatrix} \cdot \hat{s} \begin{pmatrix} -1 \\ 1 \end{pmatrix} = \frac{1}{50} = \begin{vmatrix} \sqrt{b} \\ 6 \end{vmatrix} = d$$

$$B = \begin{pmatrix} -1 \\ 2 \\ 0 \end{pmatrix}$$

$$A \wedge B = n = \begin{vmatrix} i \neq k \\ 0 \mid 1 \end{vmatrix} = \begin{pmatrix} -1 \\ -1 \end{pmatrix}$$

7 line:

Salver:

b/lay

$$b) = 0a + 1b$$

$$d = 3a + 2b$$

Visure how to show

b) Unsure how to do with S.T.D