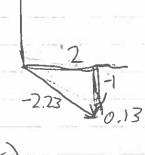
O QEA Day 6



$$\begin{pmatrix} \frac{1}{2} & \frac{1}{2} \\ -\sqrt{3} & \frac{1}{2} \end{pmatrix} \begin{pmatrix} 2 \\ -1 \end{pmatrix} = \begin{pmatrix} 1 - \frac{13}{2} \\ -\sqrt{3} - \frac{1}{2} \end{pmatrix} = \begin{pmatrix} 0, \beta \\ -2.23 \end{pmatrix}$$



$$\begin{pmatrix} \frac{1}{2} & -\frac{1}{2} \\ \frac{1}{3} & \frac{1}{2} \end{pmatrix} \begin{pmatrix} \frac{3}{3} & -\frac{1}{3} \\ -\frac{3}{2} & -\frac{1}{3} \end{pmatrix} \stackrel{\cancel{3}}{=} \begin{pmatrix} \frac{3}{3} & \frac{1}{3} \\ \frac{3}{2} & -\frac{1}{3} \end{pmatrix} \stackrel{\cancel{3}}{=} \begin{pmatrix} \frac{3}{3} & \frac{1}{3} \\ \frac{3}{2} & -\frac{1}{3} \end{pmatrix}$$

3/2/1.5

$$\begin{bmatrix} \frac{1}{2} & \frac{7}{2} & 0 \\ -\frac{7}{2} & \frac{1}{2} & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 10 & 3 \\ 0 & 1 \end{bmatrix} \begin{bmatrix} 7 \\ -1 \end{bmatrix} = \begin{bmatrix} \frac{7}{2} & \frac{7}{2} \\ \frac{7}{2} & 1 \end{bmatrix} \tilde{\mathcal{N}} \begin{pmatrix} 0.76 \\ -5.3 \end{pmatrix}$$

$$5.3 \quad 80.76$$

1) 
$$(r \cos \theta)$$
  
 $(r \cos \theta - d)$   
 $(r \cos \theta - d)$ 

3) (1 0 
$$\times n$$
) (05  $\phi$  =  $\sin \phi$  0) |  $r \cos \theta$  =  $\sin \phi$  0 |  $r \cos \theta$  =  $\sin \phi$  |  $r \cos \theta$  =  $\sin \phi$  |  $r \cos \theta$  |  $r$