Vector equal called line
$$l_2$$
 in $l_1: \underline{r} = (\frac{1}{6}l_3) + \mu(\left(\frac{1}{4}\right) - \left(\frac{1}{6}l_3\right))$

$$= (\frac{1}{6}) + \mu(\frac{1}{4}) - \frac{1}{6}l_3$$

$$= (\frac{1}{6}) + \mu(\frac{1}{4}) - \frac{1}{6}l_4$$

$$= (\frac{1}{6}) + \mu(\frac{1}{6}) + \mu(\frac{1}{6}) + \mu(\frac{1}{6})$$

	$-2(3-2\lambda) + (-6)(-2-6\lambda) + 7(5+7\lambda) = 30$	
	-6+42+12+362+35+492=30	
	41+892=30	
	$A = -\frac{11}{89}$	
	(3 89)	
	$\overline{OW} = \begin{pmatrix} 3\frac{2^2}{89} \\ -1\frac{23}{89} \\ 4\frac{112}{89} \end{pmatrix}$ $-1 \text{ distance from D to ABCE.} =$	
•	It distance from 0 to ABCE.=	
	$ \overline{DN} = \begin{pmatrix} 3\frac{22}{84} \\ -1\frac{32}{81} \\ 4\frac{12}{81} \end{pmatrix} - \begin{pmatrix} 3 \\ -2 \\ 5 \end{pmatrix}$	
	4 2 5	
	= 1.65997	
*	= 1.17 (3sf).	
9		
	iii DEC: $\underline{\Gamma} \cdot (\frac{3}{4}) = \omega$ OAB: $\underline{\Gamma} \cdot (\frac{1}{2}) = 3$ DEC // OAB	
	Let point on plane DEC and OAB be M and X respectively. By observation, $\overrightarrow{OM} = \begin{pmatrix} 5 \\ 5 \end{pmatrix}$ and $\overrightarrow{OX} = \begin{pmatrix} 3 \\ 5 \end{pmatrix}$	
	By observation, $\overrightarrow{OM} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ and $\overrightarrow{OX} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$	
	Shortest listance between DEC and OHB =	-
	$\left[\left(\begin{array}{c} 5 \\ 0 \\ 0 \end{array} \right) - \left(\begin{array}{c} 3 \\ 0 \\ 0 \end{array} \right) \right] \cdot \left(\begin{array}{c} 1 \\ 2 \\ -1 \end{array} \right)$	
	$\left(\begin{pmatrix} \frac{1}{2} \\ -1 \end{pmatrix} \right)$	
	$iv \cos \theta = \frac{ n_1 \cdot n_2 }{ n_1 \cdot n_2 }$	
	$ n_1 n_2 $	
3	$\left\lceil \left(\left(\frac{2}{4} \right) \cdot \left(-\frac{2}{3} \right) \right\rceil \right\rceil$	
	L b/t DEC and ABCE = cos 1	
	$\left \left(\frac{4}{7} \right) \right \left(\frac{-2}{6} \right) \right $	
	= COS = -1 42	
2	12136	
	= 24.6656°	
	= 24.7°((dp).	