$9(-11+8s)+9+5-4(-4s)=0$

$-99+81s+9+5+16s=0$

$s=\frac{90}{98} \Rightarrow B'\left(-11+\frac{810}{98}, 9+\frac{90}{98}, -\frac{360}{98}\right)$

$\vec{A'B'}=\left(-13+\frac{810}{98}, 11+\frac{90}{98}, -\frac{360}{98}-4\right)$

$\vec{AB}$ den geçen doğrunun denklemi,

$x=11-22k$, $y=-1+10k$, $z=0$

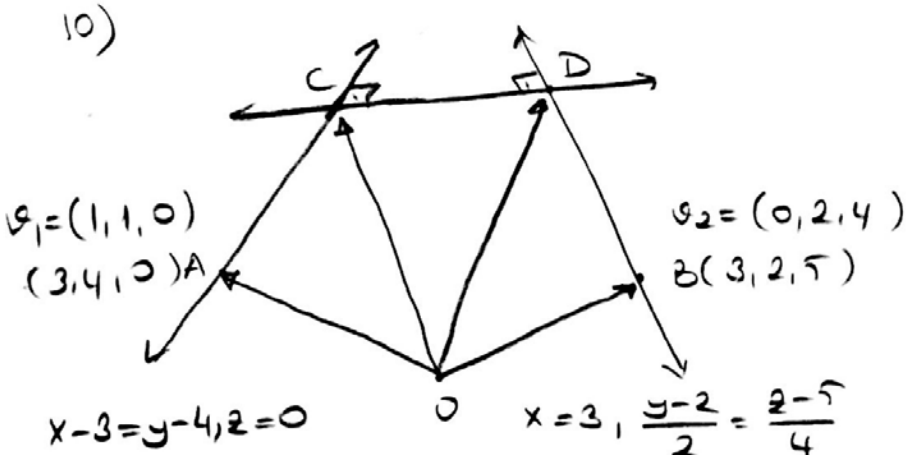
$9(11-22k)+(-1+10k)=0$

$99-198k-1+10k=0 \Rightarrow k=\frac{98}{188}$

$\vec{AB}$ den geçen doğrunun E düzlemini kestiği nokta

$K\left(11-22.\frac{98}{188}, -1+\frac{980}{188}, 0\right)$ dır.

10)



$\vec{OC}=\vec{OA}+\lambda\vartheta_1=(3,4,0)+(\lambda,\lambda,0)=(3+\lambda, 4+\lambda, 0)$

$\vec{OD}=\vec{OB}+\lambda\vartheta_2=(3,2,5)+(0,2\mu,4\mu)=(3,2+2\mu,5+4\mu)$

$\vec{CD}=\vec{OC}-\vec{OD}=(\lambda, 2+\lambda-2\mu, -5-4\mu)$

$\vec{CD}\cdot\vartheta_1=\lambda+2+\lambda-2\mu=0 \Rightarrow 2\lambda-2\mu=-2 \Rightarrow \lambda-\mu=-1$

$\vec{CD}\cdot\vartheta_2=2(2+\lambda-2\mu)+4(-5-4\mu)=0 \Rightarrow \lambda-10\mu=8$

$\left.\begin{matrix}\mu=-1\\ \lambda=-2\end{matrix}\right\}$

$\Rightarrow C(1,2,0)$, $D(3,0,1)$

$\|CD\|=\sqrt{4+4+1}=3$//

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