

ZADANJE 3.

a) $\lambda = -1$

$A(0, 0, 4)$

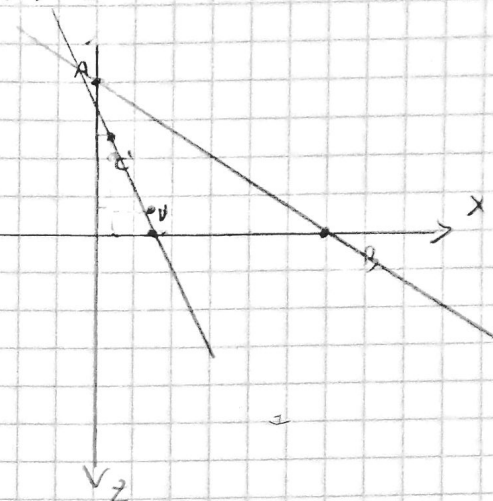
$B(6, 0, 0)$

$A = A' \quad B = B'$

$C(\frac{12}{5}, 0, -\frac{12}{5}) \mapsto C'(\frac{5}{12}, 0, -\frac{12}{5})$

$D(5, 0, -\frac{2}{3}) \mapsto D'(\frac{3}{2}, 0, -\frac{2}{3})$

$x \mapsto \frac{d}{z} \quad y \mapsto \frac{d}{3} y \quad z \mapsto z$



JE LI PARALELNI?

DOVOLJNO JE DA POGLEDAMO JESU LI VЕКТОРИ $\vec{C'D'}$ I \vec{AB} KOLINEARNI

TJ. DA $\exists \alpha \in \mathbb{R}$ T.D. $\vec{C'D'} = \alpha \vec{AB}$

$\vec{AB} = (6, 0, 4)$

$\vec{C'D'} = (\frac{13}{12}, 0, \frac{26}{15})$

$(6, 0, 4) = \alpha (\frac{13}{12}, 0, \frac{26}{15})$

$\frac{13}{12} \alpha = 6 \quad \alpha = \frac{72}{13}$

$\frac{26}{15} \alpha = 4 \quad \alpha = \frac{30}{13}$

DOBITVAMO DA
VEKTORI NISU KOLINEARNI
 \Rightarrow PRAVCI NISU PARALELNI

b) $A = A' = B = B' = (6, 0, -1)$ KRAJNOLJA I SPADNE BOLJE ALI UZMEMO KORD. SA SLIJE

