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$$\text{m) } C = \left(\frac{12}{5}, 0, -\frac{12}{5} \right) \quad D = \left(15, 0, -\frac{2}{3} \right)$$

$$C': x_C' = \frac{1}{E_C} = \frac{1}{\frac{12}{5}} = \frac{5}{12}$$

$$y_{C'} = \frac{1}{E_C} \cdot y_C = \frac{1}{\frac{12}{5}} \cdot 0 = 0$$

$$z_{C'} = E_C = -\frac{12}{5}$$

$$C' = \left(\frac{5}{12}, 0, -\frac{12}{5} \right)$$

$$D': x_D' = \frac{d}{E_D} = \frac{1}{-\frac{2}{3}} = \frac{3}{2}$$

$$y_D' = \frac{1}{E_D} \cdot y_D = \frac{1}{-\frac{2}{3}} \cdot 0 = 0$$

$$z_D' = E_D = -\frac{2}{3}$$

$$D' = \left(\frac{3}{2}, 0, -\frac{2}{3} \right)$$

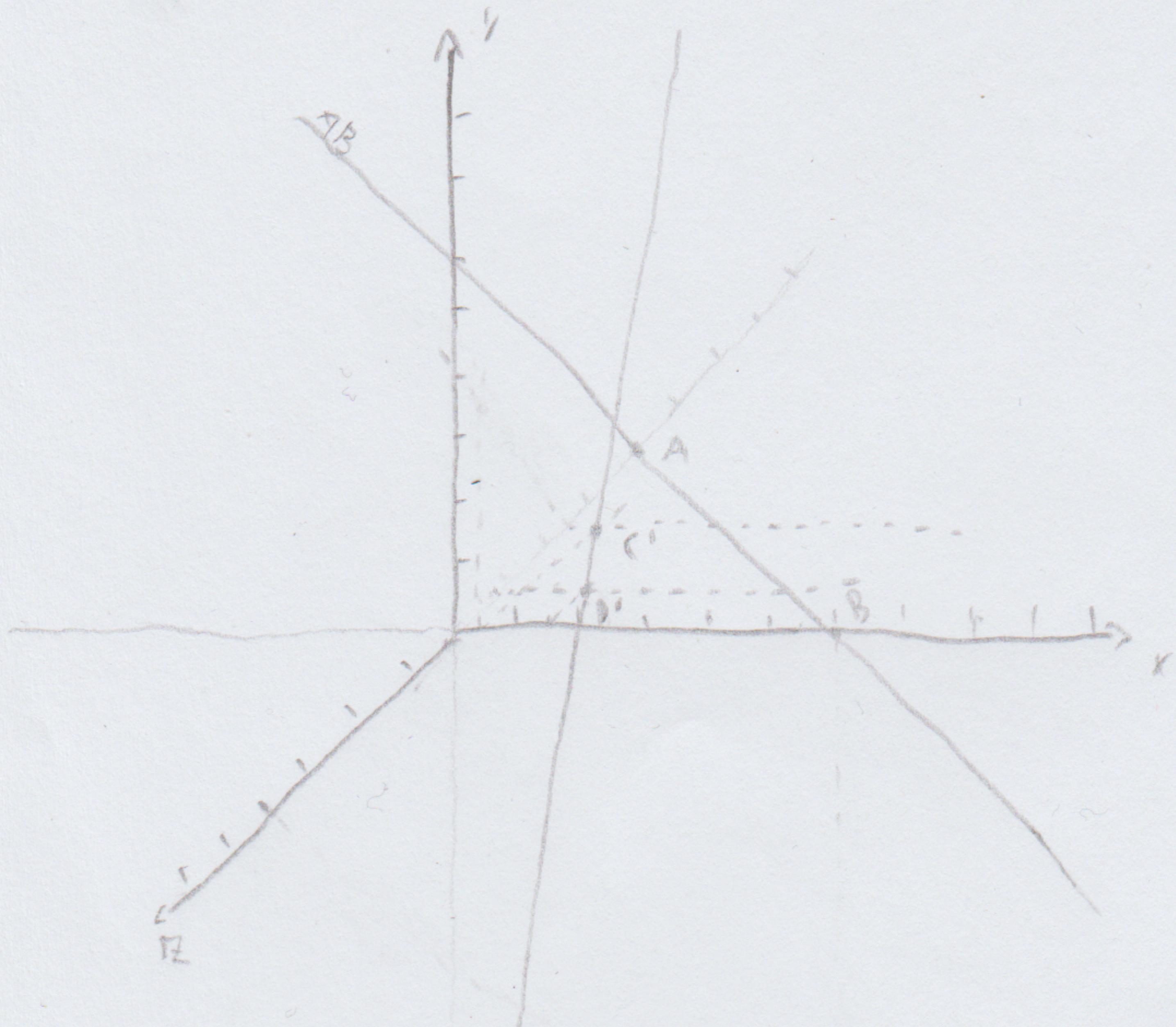
$$v_1 = D' - C' = \left(\frac{3}{2} - \frac{5}{12}, 0 - 0, -\frac{2}{3} - \left(-\frac{12}{5} \right) \right) = \left(\frac{13}{12}, 0, \frac{26}{15} \right)$$

$$v_2 = B - A = (6 - 0, 0 - 0, 0 - (-9)) = (6, 0, 9)$$

Ako su paralelni, potraži L t. d. $v_1 = L \cdot v_2$

$$\left(\frac{13}{12}, 0, \frac{26}{15} \right) = (6L, 0, 9L)$$

$$\left. \begin{array}{l} L = \frac{13}{12} \\ 4L = \frac{26}{15} \end{array} \right\} \Rightarrow L = \frac{13}{72} \neq \frac{13}{30} \Rightarrow \text{pravci nisu paralelni}$$



$$\text{n) } A': x_{A'} = \frac{1}{E_A} = \frac{1}{\frac{1}{4}} = 4$$

$$y_{A'} = \frac{1}{E_A} \cdot y_A = \frac{1}{\frac{1}{4}} \cdot 0 = 0$$

$$z_{A'} = E_A = -4$$

$$A' = \left(4, 0, -4 \right)$$

$$B': x_{B'} = \frac{1}{E_B} = \frac{1}{0} = -\infty$$

$$y_{B'} = \frac{1}{E_B} \cdot y_B = \frac{1}{0} \cdot 0 = 0 \Rightarrow \text{nedefinisano}$$

$$z_{B'} = E_B = 0$$

Tako B' nije definisano

Tako B' nije definisano na dužini A'B' (projektivna projekcija dužine AB ne potraži).