

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

$d = -1$, $A = (0, 0, -4)$, $B = (6, 0, 0)$, $A = A'$, $B = B'$

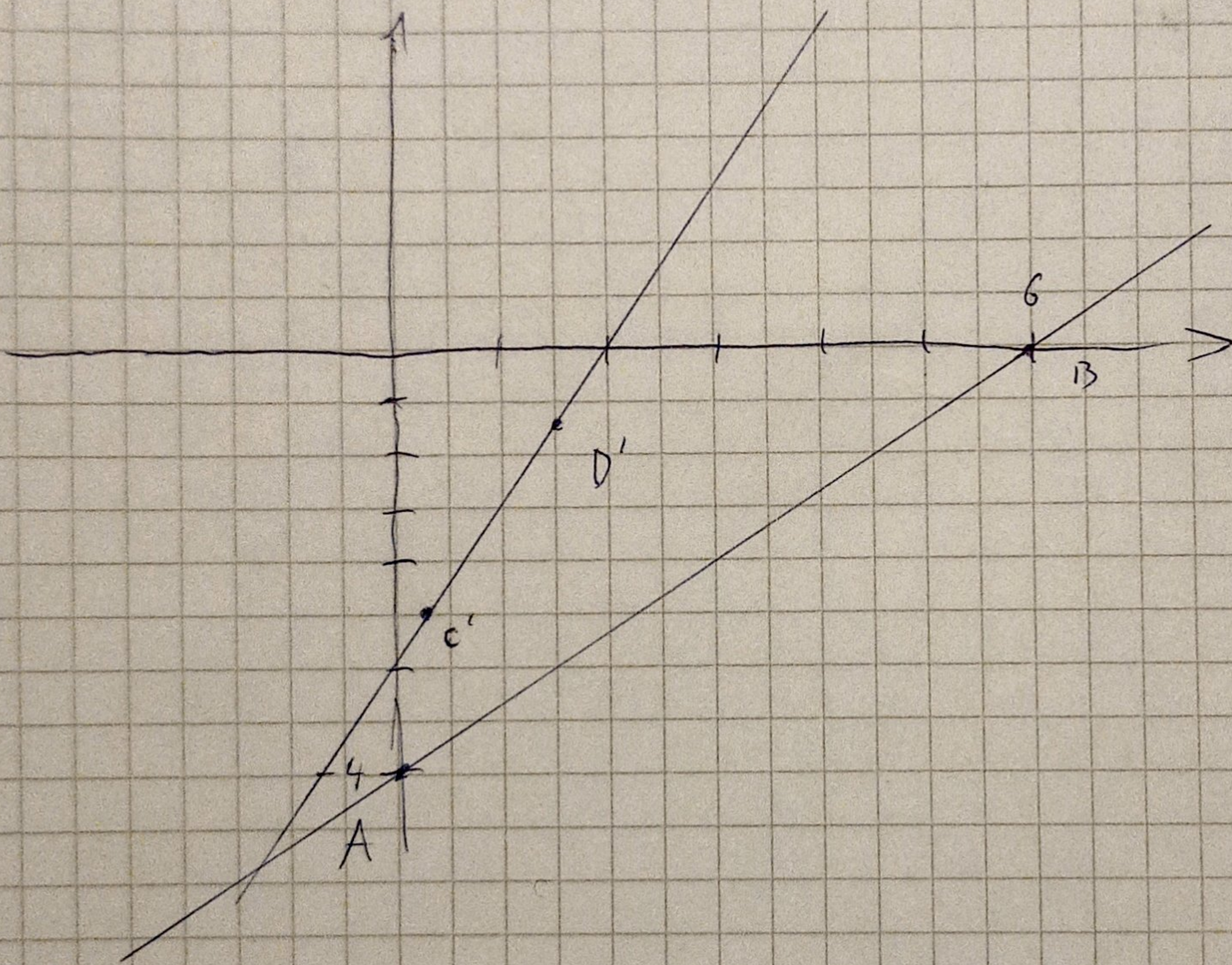
c) $C = (12/5, 0, -12/5)$, $D = (5, 0, -2/3)$

C: $x' = \frac{-\frac{1}{5}}{-\frac{12}{5}} = \frac{5}{12}$ $y' = \frac{-\frac{1}{5}}{-\frac{12}{5}} \cdot 0 = 0$ $z' = -\frac{12}{5}$

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

D: $x' = \frac{-\frac{1}{3}}{-\frac{2}{3}} = \frac{3}{2}$ $y' = \frac{-\frac{1}{3}}{-\frac{2}{3}} \cdot 0 = 0$ $z' = -\frac{2}{3}$

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



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

$||\overrightarrow{D'C'}|| = \sqrt{(\frac{13}{12})^2 + (\frac{26}{15})^2} = 2.04$

$\overrightarrow{BA} = B - A = (6, 0, 0) - (0, 0, -4) = (6, 0, 4)$

$||\overrightarrow{BA}|| = 7.21$

$$\vec{D'C'} \cdot \vec{BA} = \left(\frac{13}{12}, 0, \frac{26}{15} \right) \cdot (6, 0, 4) = 13.43$$

$$\|\vec{D'C'}\| \cdot \|\vec{BA}\| = 2.09 \cdot 7.21 = 14.70$$

$\Rightarrow \vec{D'C'} \cdot \vec{BA} \neq \|\vec{D'C'}\| \cdot \|\vec{BA}\| \Rightarrow \angle \neq 0^\circ \Rightarrow$ pravci nisu
paralelni

2)

