## Model Subject Geometrie Matematica 2020

Sà se verifice daca unuatoanele diepte sunt

$$\frac{\chi - 1}{2} = \frac{\sqrt{-7}}{1} = \frac{2 - 5}{4} + \frac{\chi - 6}{3} = \frac{\sqrt{+1}}{1} = \frac{2}{1}$$

Solutia 1

 $M_1(1, 1, 5)$ ,  $M_2(6, -1, 0) => M_1M_2(5, -8, -5)$  $\overline{d}_{1}(2,1,4)$ ,  $\overline{d}_{2}(3,-2,1)$ .

Dreptele me sont paralele

$$(\vec{d}_1, \vec{d}_2, \vec{M}_1 \vec{M}_1) = \begin{vmatrix} 2 & 1 & 4 & -4 \cdot l_2 + l_3 \\ 3 & -2 & 1 & 5 \\ 5 & -8 & -5 & 5 \cdot l_2 + l_3 \end{vmatrix}$$

$$\begin{vmatrix} -10 & 9 & 0 \\ = 3 & -2 & 1 \\ 20 & -18 & 0 \end{vmatrix} = (-1) \begin{vmatrix} -10 & 9 \\ 20 & -18 \end{vmatrix} = \mathbf{0}$$

deci dieptele sunt coplanail. Résultà cà sunt concurrente

Solutia 2.
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Die ematile on $2$ resultà $5=4t+5$ introducem in y m' resultà $t+7=-8t-10-1$ (=) $9t=-18$ (=) $[t=-2]=> [5=-3]$
=) $1x = -3$ y = 5 adica puntul $P(-3,5,-3) = 2= d_1 \wedge d_2$