## Subjectul D. OPTICĂ

Nr. item	Soluţie/Rezolvare
II.a.	
	$C = \frac{1}{f}$
	$G = I_1$
	Rezultat final: $C = 10\delta$
b.	
	$\frac{1}{1} = \frac{1}{1} - \frac{1}{1}$
	$f_1 \stackrel{-}{} x_2  x_1$
	$\frac{1}{f_1} = \frac{1}{x_2} - \frac{1}{x_1}$ $d =  x_1  + x_2$
	Rezultat final : $d \approx 41,67$ cm
C.	
	1 _ 1 _ 1
	$\frac{1}{f_2} - \frac{1}{x'_2} - \frac{1}{(L - x_2)}$
	$\frac{1}{f_2} = \frac{1}{x'_2} - \frac{1}{(L - x_2)}$ $\beta = \beta_1 \beta_2$ $\beta = \frac{x_2}{x_1} \cdot \frac{x'_2}{(L - x_2)}$
	$\beta = \frac{x_2}{x_2} \cdot \frac{x_2}{x_2}$
	Rezultat final: $\beta = -8$
d.	
	$L' = f_1 + f_2$
	Rezultat final : $L' = 30cm$