Subjectul D. OPTICA

Nr. item	Soluţie/Rezolvare
II.a.	
	1 _ 1 _ 1
	$\frac{1}{t_1} = \frac{1}{x_2} - \frac{1}{x_1}$
	Rezultat final: $f_1 = 12cm$
b.	
	$\frac{1}{f} = \frac{1}{x_2'} - \frac{1}{x_1}$
	Rezultat final: $f = -60cm$
C.	
	$\frac{1}{1} = \frac{1}{1} + \frac{1}{1}$
	$f = f_1 + f_2$
	$\frac{1}{f} = \frac{1}{f_1} + \frac{1}{f_2}$ $C_2 = 1/f_2$
	Rezultat final: $C_2 = -10\delta$
d.	
	$\beta = \frac{y_2}{x_2} = \frac{x_2}{x_2}$
	$\begin{vmatrix} P - y_1 - x_1 \end{vmatrix}$
	$y_2 y_2 x_2$
	$\beta = \frac{y_2}{y_1} = \frac{x_2}{x_1}$ $\beta' = \frac{y'_2}{y_1} = \frac{x'_2}{x_1}$
	$y_2 x_2$
	$\frac{y_2}{y_2'} = \frac{x_2}{x_2'}$
	Rezultat final: $\frac{y_2}{y_2'} = -\frac{1}{2}$