Subiectul D. OPTICĂ

Nr. item	Soluţie/Rezolvare
II.a.	$\dfrac{1}{f} = \dfrac{1}{x_2} - \dfrac{1}{x_1}$ $\beta = \dfrac{x_2}{x_1} = -2$ Rezultat final: $f = 20\,cm$
b.	$f = \dfrac{1}{(n-1)\left(\dfrac{1}{R_1} - \dfrac{1}{R_2}\right)}$ Dacă $R_1 \to \infty$ atunci $R_2 = -f(n-1)$ Rezultat final $\left|R_2\right| = 10\,cm$
c.	$f' = \dfrac{1}{\left(\dfrac{n}{n_a} - 1\right)\left(\dfrac{1}{R_1} - \dfrac{1}{R_2}\right)}$ Rezultat final: $f' = 80\,cm$
d.	$\dfrac{1}{f'} = \dfrac{1}{x'_2} - \dfrac{1}{x_1}$ $x_2' = -48\,cm$ $\dfrac{y'_2}{y_1} = \dfrac{x'_2}{x_1}$ Rezultat final $y'_2 = 8\,cm$