Information for the Quiz on Units O1, O2, & O3

Things You Must Know

(1) Rule for reflection
(2) How to calculate when total internal reflection will occur
(3) How to draw principle rays and to locate an image

Potential Useful Information

$n_1 \sin\theta_1 = n_2 \sin\theta_s$

$|f| = R/2$

$$\frac{1}{S} + \frac{1}{S'} = \frac{1}{f}$$

$$M \equiv \frac{h'}{h} = -\frac{S'}{S}$$

Physical Constants and Data

$n \approx 1$ for air