

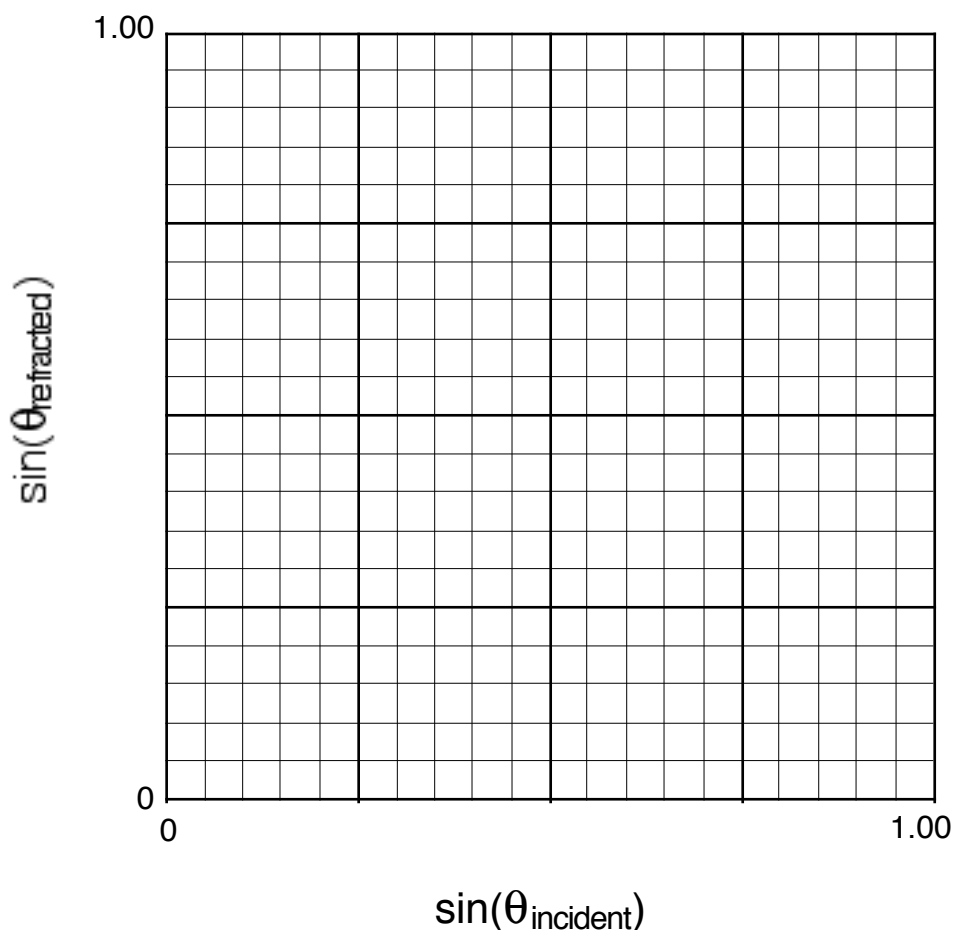
Snell's Law Lab

DATA

Name _____

θ_{incident}	$\sin(\theta_{\text{incident}})$	$\theta_{\text{refracted}}$	$\sin(\theta_{\text{refracted}})$

DRAW A GRAPH of the $\sin(\theta_{\text{incident}})$ vs $\sin(\theta_{\text{refracted}})$ on the grid below.



The slope is the ratio of $\frac{n_{\text{refracted}}}{n_{\text{incident}}}$. The index of for the incident ray is air, $n=1.00$.

Use the graph to determine the index of the glass the light travels through and the average speed of the light through this glass. Show your work.