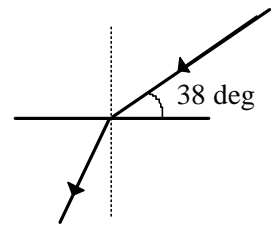


NAME _____

1. What is the law of reflection?

2. What is the law of refraction? What other name is sometimes given to it?

3. For the situation shown, what is the angle of incidence?



4. What is meant by the critical angle for total internal reflection?

5. For the equation, $\sin \theta = n \sin \phi + c$, assume that you plot a graph of $\sin \theta$ versus $\sin \phi$. What are the slope and intercept of the graph?

Questions 1 and 2 in Experiment 1 in the laboratory manual should be answered before you come to the laboratory. Assume that lucite has an index of refraction of 1.5.