## Worksheet Reflection and Refraction

1.	A light ray originates in a liquid having an index of refraction of 2.2 and enters a second liquid having an index of refraction of 3.5.  a. If the incident angle is 35°, what is the angle of refraction?
	<ul> <li>Answer the same question if the light ray had originated in the second medium. Use the same angle of incidence.</li> </ul>
2.	What is the speed of light passing through a medium having an index of refraction of $4.5$ ?
3.	What is the speed of light passing through a medium having an index of refraction of $2.25$ ?
4.	What is the index of refraction of a medium if light travels through the medium at a speed of 1.5 x $10^8$ m/s?
5.	What is the index of refraction of a medium if the light travels through the medium at a speed of $2.65 \times 10^8$ m/s?