the Title

1. Does light travel faster or slower (compared to vacuum) in materials with a high refractive index?
2. Consider a ray of light that enters a piece of glass from air.
   2.a. If the ray is incident on the glass perpendicular to the surface, by what angle will it be bent?
   2.b. If the ray is incident on the glass at an angle of 45° to the surface, by what angle will it be bent?
3. What is the speed of light in water?
4. Will the speed of light be faster in:
   4.a. glass or water?
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   5.c. the main question and all parts should appear on the same page.
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a) $i_2R_2 + \mathcal{E}_1 + i_1r_1 - i_2R_1 = 0$ b) $i_1R_2 + \mathcal{E}_1 - i_1r$

c) $i_1R_2 + \mathcal{E}_1 + i_2r_1 - i_1R_1 = 0$ d) $i_1R_2 + \mathcal{E}_1 + i_1r$

Figure 1: This is an example figure.

a) $i_2R_2 + \mathcal{E}_1 + i_1r_1 - i_2R_1 = 0$ b) $i_1R_2 + \mathcal{E}_1 - i_1r_1 - i_2R_1 = 0$

c) $i_1R_2 + \mathcal{E}_1 + i_2r_1 - i_1R_1 = 0$ d) $i_1R_2 + \mathcal{E}_1 + i_1r_1 - i_2R_1 = 0$

Figure 2: This is another example figure.

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