p. 83

1.

θ_i

Medium 1 n_1
Medium 2 n_2
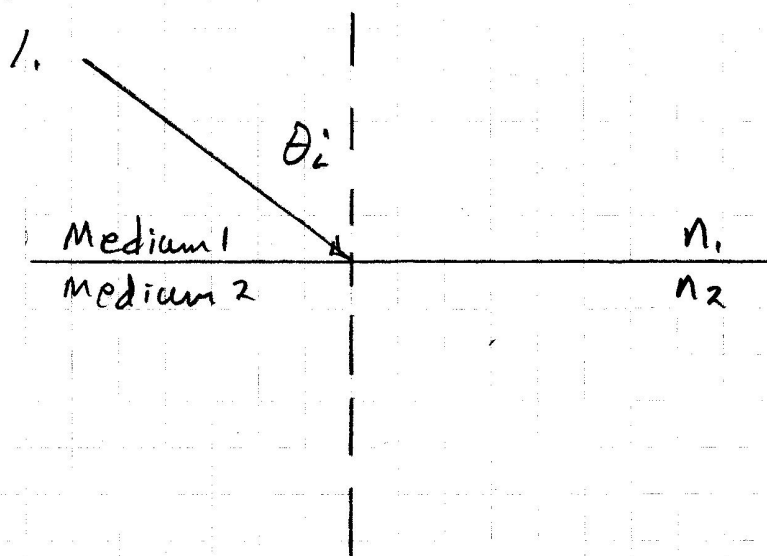
a. The rays bends towards the normal, therefore $n_2 > n_1$.

b. Medium 2 is more refractive. (Notice how I relabled the media.)

2.   glass → water

$n_1 = 1.50$ $n_2 = 1.33$

The light ray passes into a less refractive medium. The refracted ray would bend away from the normal.

3. $n_{1 \to 2} = \dfrac{n_2}{n_1} < 1$

$n_1 > n_2$ so the ray passes into a less refractive medium. They ray bends away from the normal.