1) given that the absolute refractive indices of water and glass are $4 / 3$ and $3 / 2$ respectively. what is the refractive index of glass with the reference to water?
a) $2 / 3$
b)8/9
c) $9 / 8$
d)3/4
if we consider the refractive index of glass with the reference to water, the proportion appears as follows:

$$
\begin{gathered}
\frac{4}{3}: 1=\frac{3}{2}: x \\
\frac{4}{3} x=\frac{3}{2} \\
x=\frac{3}{2} \cdot \frac{3}{4} \\
x=\frac{9}{8}
\end{gathered}
$$

c) $9 / 8$

