PHY2410 Quiz 9

A ray of red light, initially traveling through air, is incident on an air/glass interface at the angle shown in the figure and transmits into the glass at the refracted angle shown. Determine the VELOCITY of the ray of light traveling through the glass (to 3 sig figs). You may use the known index of refraction of air, but the type of glass is not known, so you must rely on the given angles to solve the problem.

