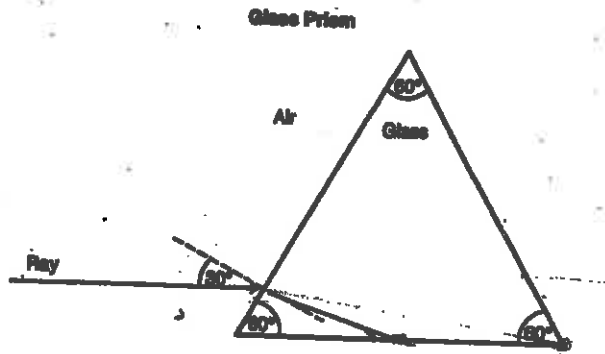


Question 13

An experiment is performed on a glass prism with a refractive index of 1.55. A ray of light from air with a refractive index of 1.00, enters the glass prism, and is refracted.

The diagram below illustrates the experiment.



Draw the trajectory of the ray within the prism and to its exit into the air. Your procedure should include mathematical calculations.