

King Fahd University of Petroleum and Minerals
Department of Physics

Name:
ID#:

PHYS 205 prelab Quiz-10/14/2020
Due time 12:30 pm

Show detailed solution using **your hand writing only on white paper**, typing or printing will not be accepted. Then, take clear image of your answer and then send it to my email

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Q: As shown in the figure below, monochromatic light of is incident on the equilateral glass prism ($A = 60^\circ$) of $n = 1.66$ index of refraction that is totally surrounded by a gas of $n = 1.13$, if the angle $\theta_a = 65^\circ$, then calculate the angle θ_x shown between the edge of the prism and the light ray exiting it?

