

Physics 216: Lab 5 Postlab. Due at the beginning of next lab class. Show all work and explain your reasoning.

1. Consider a ray entering a 45-45-90 triangle as shown below (perpendicular to the long side). The triangle has index of refraction 1.65 and sits in air.
 - a. Does the ray undergo total internal reflection?
 - b. What is the direction and exit point of the ray from the triangle? (both require quantitative answers).

