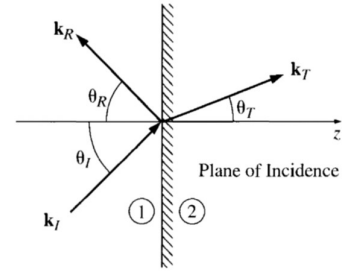The figure shows a monochromatic electromagnetic wave
travelling from medium 1 to medium 2. Assume the plane of
incident is xz plane and assume that the wave is polarized normal
to the plane of incidence.

a- Suppose medium 1 is vacuum and medium 2 is a medium
    with a dielectric constant of 3.61 and a relative
    permeability of 1.0. Use Mathematica to make two plots
    similar to Figure 9.16 and Figure 9.17 or your textbook. Include in the second plot
    the plot of T+R. Comment on occurrence of Brewster angle.
b- Repeat a, but with medium one is the dielectric and medium 2 is the vacuum.
    Comment on your result.