

91. (a) and (b) At the Brewster angle, $\theta_{\text{incident}} + \theta_{\text{refracted}} = \theta_{\text{B}} + 32.0^\circ = 90.0^\circ$, so $\theta_{\text{B}} = 58.0^\circ$ and $n_{\text{glass}} = \tan \theta_{\text{B}} = \tan 58.0^\circ = 1.60$.