Ch 10: Wave Effects of Light Name: _____
10.1 Polarization of Light SPH4U-_____

1. Two polarizers are oriented at 72° to one another. Unpolarized light falls on them. What fraction of the light intensity is transmitted?

2. At what angle should the axes of two Polaroids be placed so as to reduce the intensity of the incident unpolarized light to
   a. $\frac{1}{3}$
   b. $\frac{1}{10}$

3. Two polarizers are oriented at 42.0° to one another. Light polarized at a 21.0° angle to each polarizer passes through both. What is the transmitted intensity (%)?