

name _____

ID# _____

Experiment 8

Index of Refraction

Discrete Spectrum

Color	Wavelength	θ_{\min}	Index of Refraction
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

$\phi = 60.0^\circ$

Equations and sample calculation:

(8 points)

- 4 What sort of focusing problem would you expect in a real optical instrument such as a camera or a telescope now that you've done this experiment? (Hint: The incoming light is a mixture of many colors.) **(4 points)**