

Name_____

Lab sec_____

Prelab-PHYS222
Thin Lenses

Before coming to the lab, read OpenStax **University Physics Vol.3** Chapter 2, especially Section 2.4, if your PHYS 212 lecture class hasn't cover Thin Lenses.

1. What is the objective of this lab?

2. Explain the relationship $\frac{1}{f} = \frac{1}{o} + \frac{1}{i}$. Be sure and define the terms.

3. What is the definition of a 'real' image?

4. What is the definition of a 'virtual' image?

5. What three methods will be used to calculate the focal length of a converging lens. Which method is the simplest to do and why? See step 2.