

Name: _____

1. Define the terms of the relationship $\frac{1}{d_o} + \frac{1}{d_i} = \frac{1}{f}$ (Eq. 21.1) and state how each term is measured. (20 pts)
2. State the sign conventions for d_o and d_i . (20 pts)
3. What is the difference between a real image and a virtual image? (20 pts)
4. Define the terms of the relationship $M = \frac{h_i}{h_o}$ and state the sign conventions. (20 pts)
5. What does *optical axis* mean? (10 pts)
6. What two methods will be used to calculate the focal length of a converging lens? (10 pts)