

Lecture 21

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 1100 – 1107 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quiz: 36.4 – 36.6
 - 2) Book Objective Questions (p. 1123): 3, 4, and 9

Goals for the Lecture:

- 1) Understand image formation from refraction, including the equation for refracting surfaces, magnification, and the sign conventions for these equations
- 2) Understand image formation by thin lenses, including the lens maker's equation and the thin lens equation, focal length, magnification, and the sign conventions for these equations

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 36: Problems: 30, 35, 44

Continue with the additional recommended study problems from chapter 36